



# MEASURING INSTRUMENTS 2023



## COMMERCIAL TERMS

### Product Info

Measurements, weights, characteristics or sizes shown in this catalogue are indicative, and may be modified without prior notice.

### Prices and deliveries

Sale prices will be those offered in writing quotations or those included in our current rate at the time of delivery.

Minimum order value is 1000€ FOB Spain. If total value is below that minimum, an extra charge of 50€ will be applied as administration fee. The supply of goods will be made by complete export cartons.

### Shipping costs

Shipments will be based on the Incoterm conditions shown in each quotation.

Any other logistics service requested will be negotiated and quoted separately, and must be previously accepted by the client.

### Shipping incidences

All shipments will be checked and verified within 48 hours after receipt. If any incident is detected, it must be communicated immediately to the carrier and to MGL customer service.

### Merchandise unloading

Merchandise sent by special transports will be unloaded by the receiver.

### Deliveries to third parties

In the event of deliveries requested for a different destination to the usual, MGL express consent will be required, and the customer should be responsible for the correct reception as if it was his usual address.

### Good returns

Returns will be accepted only within 30 days of delivery. Any return due to causes not attributable to MGL Euman will be depreciated a minimum of 25% of the net invoiced amount, as associated costs.

Good returns will only be admitted if they have been previously justified and expressly accepted by MGL, will be negotiated and quoted separately, and must be previously accepted by the client.

### Civil liability

MGL declines all responsibility due to the improper use of its products. The civil liability on our products expires one year after delivery. In case of litigation as a result of a sale, the parties will submit to the jurisdiction of the courts where the principal place of business of the manufacturer is located, waiving both parties to any other jurisdiction that may correspond. The civil liability will be governed by the Law of the State of principal place of business of the manufacturer.

### Warranty

All MGL products are guaranteed by the legal period of time governing on each operation.

This warranty does not cover failures caused by improper use or handling.

Warranty can be executed at the distributor where the purchase was made by presenting the invoice and a description of the equipment failure or you could contact our Customer Service by email providing all previous information.



Technical specifications included in this catalog may be subject to modifications without prior notice.

# WHO WE ARE

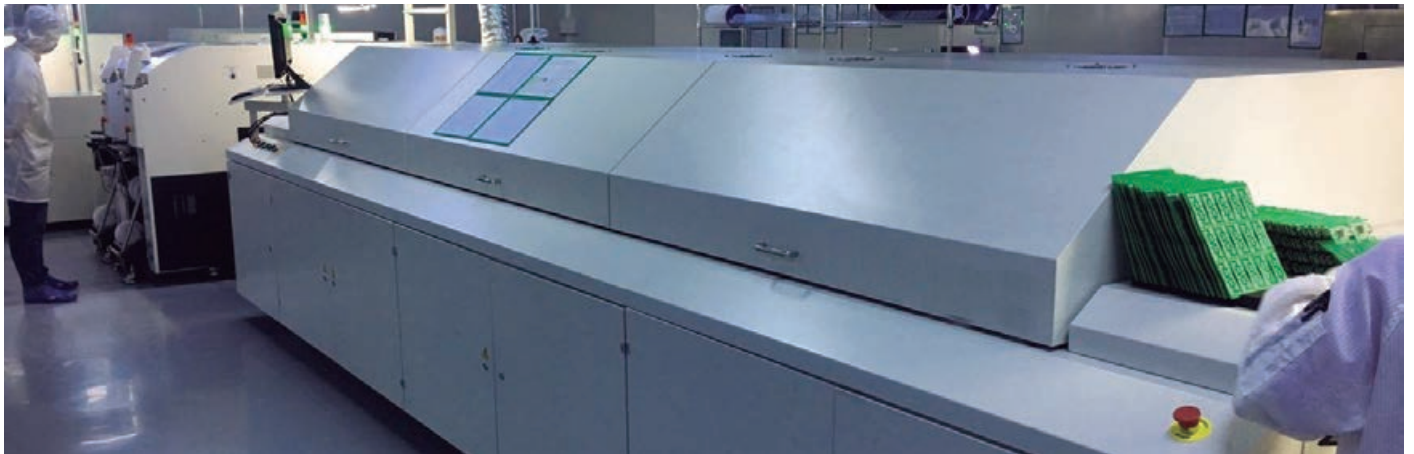
We are a global group of companies operating locally. We manufacture test and measurement products for the electrical and automotive industry, from the entry level through high tech products.

We have different business units that operate independently, maximizing customer and business dedication. On the one hand, OBM products under our own brands, such as KPS, Power Probe and C-Logic. On the other, we also offering engineering / manufacturing (ODM) and adaptation / customization (OEM) services.

Our companies work globally, serving our customers worldwide. This global network delivers a deeper understanding of each individual market, with solutions tailored to the unique requirements of each customer.

With customers over 20 years old, our goal is to be a recognized, honest and fair company. We aim to be the most valued partner for our customers in the research, development, manufacture and supply of innovative, modern and customer-focused technologies.

We have a highly experienced team which is open-minded, receptive to new ideas and adaptive to evolving market trends. This solid foundation guarantees that we are well informed and fully equipped to deliver excellent solutions to meet our customers real needs.



## MGL AT A GLANCE



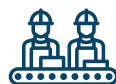
More than 800 employees



Annual production of +10 million units per year



Three factories in Taiwan, China and Europe



We manufacture more than 95% of our products, even the accessories

# OUR BRANDS

We manufacture electrical test and measurement instruments under our own brands: KPS, C-Logic and Power Probe, recognized brands and market leaders in the fields of electrical measurement and automotive.

All of our products have a professional positioning based on advanced balanced technology and they are marketed through local distributors throughout the world.

We maintain direct and close contact with our distributors, through our offices around the world, and we support them in their business by offering technical advice and an after-sales service for our products.



Under KPS brand we design, manufacture and sell products and solutions for the electrical market, always with the highest levels of quality and performance.

## **KPS. Testing and measuring equipment**

We conceive and engineer electrical measuring instruments to comply the most demanding European standards.

Our high-performance digital clamp meters, multimeters and testers are developed to cover the requirements of any electrical installation.





## C-LOGIC®

C-Logic is the MGL brand focused on solutions for electricians and DIY users. Under this brand we develop and produce a wide range of solutions suitable for residential, commercial and construction applications.

**Our product range covers the following categories:**

### Measuring instruments.

Wide range of instruments from easy to use voltage testers up to advanced cable trackers which allow the users to perform electrical testing in an effective way.

### Energy saving.

Light, time and temperature control products for getting an important energy saving in any kind of electrical installation.

### Installation.

Our nylon, polyamide and twisted fish tapes are an efficient and time saving way to perform the electrical wiring in buildings.

## POWER PROBE®

At POWER PROBE, we believe things should be simple. That's why we design tools to make complex automotive technology accessible for the modern auto technician. As automotive technology continues to evolve, Power Probe will provide innovative Technology, Energy, and Knowledge solutions for technicians and consumers alike.

### Circuit Testing and Diagnostic Tools.

Tools to provide fast electrical testing and short circuit tracing. Based on the success of the past, our tools are now made simpler and easy to use.

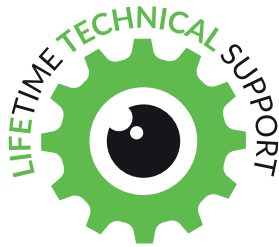
### Tools & accessories.

Workplace Improvement Tools including butane torches, wireless temperature probes, IR thermometers, modular work lights, cordless and butane soldering kits.

# KPS Customer Support Center

## We work to give you the best service

We maintain a direct and transparent relationship with our clients, in which the quality of the service is our priority.



Access directly to our After Sales Service at:  
<https://aftersales.kps-intl.com/>



Access directly to our After Sales Service at:  
<https://aftersales.kps-intl.com/>



[cs.emea@mgl-intl.com](mailto:cs.emea@mgl-intl.com)  
<https://kps-intl.com>



[cs.emea@mgl-intl.com](mailto:cs.emea@mgl-intl.com)  
<https://kps-intl.com>

## Measurement Instrumentation Specialists

All KPS products are manufactured and marketed in accordance with the international standards, following strict quality control in all processes. We offer our clients services adapted to their needs:















- Equipment repair.
- Calibration services, certified according to ISO 9001: 2015
- Own laboratories are managed according to the UNE 17025 standard.



## CERTIFICATION STANDARDS

Safety logo	3 <sup>rd</sup> party laboratory	Applicable area
		North America
		EU

# PRODUCT INDEX

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# POWERCOMPACT3020

**POWERCOMPACT3020** is a powerful, portable network analyzer developed for professional analysis of consumption and power quality of the most complex electrical networks. It can be used on single-phase, two-phase, three-phase (balanced and unbalanced) networks, low and medium voltage.

The advanced features and analysis software supplied makes it a suitable tool to the most demanding professional needs.



SKU	UPC	EAN
KPSPQA2030CBINT	810053671948	8435394776194

**VOLTAGE (TRMS)**  
 Øphase-phase: 7-1000VAC 40-70Hz  
 Phase-neutral: 5-600VAC 40-70Hz  
 Aux: 5-1000VAC 40-70Hz, 10-1400VDC

**CURRENT (TRMS)**  
 Rango: 6-3000A  
 Ratio: 1-60000

**POWER**  
 Single phase and total power:  
 Values < 999 GW, Gvar, GVA

**HARMONICS**  
 Up to 50th order

**EVENTS**  
 Interruptions: >500mS  
 Dips: >500mS  
 Swells: >500mS

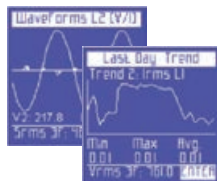
**TRANSIENTS**  
 Swells and overcurrents > 150uS  
 Inrush current analysis

The instrument can be held indifferently through its ergonomic rubber guard, or supported thanks to its integrated removable stand or magnetic captors, both to simplify measurements in the field or near a PC.

Equipped with a large (68x68mm) and efficient LCD display, which allows the display of waveforms, graphics..etc. White pixels on a dark blue background provide a great visuality of the screen.

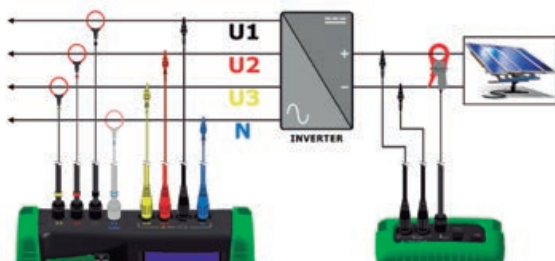


Elegant membrane keypad with 10 buttons with dual function provides an easy and intuitive navigation menu.



## MULTIPLE INPUTS

- 3 voltage channels **U1**, **U2** and **U3**, with common neutral (**N**), and 4 independent current channels **I1**, **I2**, **I3**, **In**.
- An independent, auxiliary voltage input (**UAUX**) and an independent, auxiliary current input (**IAUX**) are also available.



Connection diagram in a photovoltaic network

### Suitable for any network:

- 3φ+N
- 3φ
- 2φ
- 1φ
- PV systems

\* The DC current clamp and additional voltage cables are optional accessories.



# COMPLETE KIT

## Contents

- Voltage test leads POWERCOMPACT/VTL - 4 pcs
- Cocodrile POWERCOMPACT/AL - 4 pcs
- Rowgosity AC current clamps(ULTRAFLEX3000) - 3 pcs
- Battery pack POWERCOMPACT/BAT (4x AA NiMh 2100mAh) - 1pc
- mSD 16Gb
- External power supply +adapters POWERCOMPACT/PS - 1set
- Calibration certificate
- User manual
- Transportation case

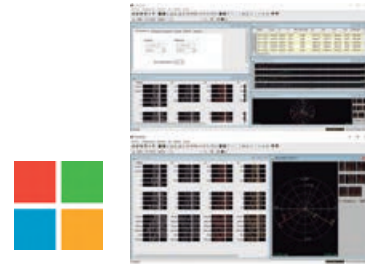
See optional accesories and spare parts on page 10.



# POWERFULL ANALISYS

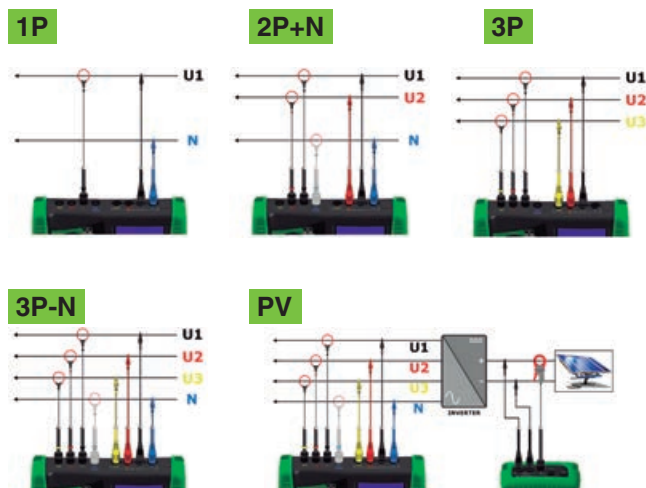
- Data storage through external SMD card (16 Gb)
- Communication to PC through USB port
- Professional Software **POWERCOMPACT/Studio** for full análisis of parameters, events, graphs...etc

(Included on kit and available on website for downloading)



# CONNECTING SYSTEM

- Single phase
- Two phase
- Three-phase, 3-wires, balanced
- Three-phase, 3-wires, unbalanced
- 3-phase, 4-wires, balanced
- 3-phase, 4-wires, unbalanced



# FUNCTIONALITY & PARAMETERS

- Traditional electrical análisis: V, I, P, Q, S, F, PF, THD(V)%, THD(I)%,  $\cos\phi$ ,  $\phi$ , peaks, minimums, maximums, averages, max. demands, etc.
- Neutral current
- Three phase counters: kWh, kVarh, kVAh, both absorbed that generated
- Counters for each single pase: kWh, kVarh, kVAh, both absorbed that generated
- Cogeneration
- Waveforms: V & I
- Harmonics: Values and histograms up to the 50th order
- Sags : Dips, swells & interruptions
- Transients: Overvoltages & overcurrents
- Unbalance
- Test EN 50160
- Inrush current
- DC measures
- K factor: Up to the 25th order
- Alarms: Displayed
- Alarms log: 5 at display
- Tariff bands:4
- Energy costs

## POWER QUALITY ANALYZER ACCESSORIES


**POWERCOMPACT  
CL5A**

**POWERCOMPACT  
CL200A**

**POWERCOMPACT  
CL1000A**

**POWERCOMPACT  
CL600A**

**ULTRAFLEX3000**

SKU	KPSPQA5ACBINT	KPSPQA200ACBINT	KPSPQA1000ACBINT	KPSPQA600ACBINT	KPSFLEX3000ACBINT
UPC	810053673355	810053673362	810053673379	810053673386	810053673393
EAN	8435394776200	8435394776217	8435394776224	8435394776231	8435394776248
Current measurement range	0,01 – 5A AC	0,5 – 200A AC	0,1 – 1000A AC	0,2 – 400A AC 0,4 – 600A DC	6 – 3000A AC
Jaw capability	Max. cable Ø20 mm 1 busbar 20x5 mm	Max. cable Ø20 mm 1 busbar 20x5 mm	Max. cable Ø52 mm 1 busbar 50x5 mm 4 busbars 30x5 mm	1 cable Ø30 mm 2 cables Ø24 mm 2 busbars 31.5x10 mm	1 cable Ø150 mm


**POWERCOMPACT/VTL-R**

**POWERCOMPACT/VTL-B**

**POWERCOMPACT/VTL-Y**

**POWERCOMPACT/VTL-BL**

SKU	KPSPQAVREDPEINT	KPSPQAVBLACKPEINT	KPSPQAVYELLPEINT	KPSPQAVBLUEPEINT
UPC	810053673409	810053673416	810053673423	810053673430
EAN	8435394776255	8435394776262	8435394776279	8435394776286
Length	1,5 m	1,5 m	1,5 m	1,5 m
Color	Red	Black	Yell	Azul
Max. current	10A	10A	10A	10A
Safety rating according to EN61010	CAT III 1000V	CAT III 1000V	CAT III 1000V	CAT III 1000V


**POWERCOMPACT/VTL-R**

**POWERCOMPACT/VTL-B**

**POWERCOMPACT/VTL-Y**

**POWERCOMPACT/VTL-BL**

SKU	KPSPQAAREDPEINT	KPSPQAABLACKPEINT	KPSPQAAYELLPEINT	KPSPQAABLUPEINT
UPC	810053673447	810053673454	810053673461	810053673478
EAN	8435394776293	8435394776309	8435394776316	8435394776323
Opening	45 mm	45 mm	45 mm	45 mm
Color	Red	Black	Yellow	Blue
Max. current	10A	10A	10A	10A
Safety rating according to EN61010	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V


**POWERCOMPACT/MAGTL**

**POWERCOMPACT/BAT**

**POWERCOMPACT/PS**

SKU	KPSPQAMAGPEINT	KPSPQABATPEINT	KPSPQAPOWCBINT
UPC	810053673485	810053673492	–
EAN	8435394776330	8435394776347	8435394776354
Description	4 magnetic captors set	Replacement battery	External power supply with adapters



# MULTICHECK6010

**MULTICHECK6010** is a a multi-function Tester for verification of electrical safety of Low Voltage Installations (domestic, commercial or industrial) according to DIN VDE 0100 and EN 61557.

All-in-one device with 3.5 TFT colour display, covering the measurements you need. Fast. Safe.



SKU	UPC	EAN 13
KPSMF6010CBINT	810053671955	8435394776361

**MAIN FEATURES**

**Measurement of:**

- Loop resistance
- Internal network resistance
- Measurement of short circuit current
- Low resistance and continuity
- Insulation
- RCD/FI for types A, AC, B, B+, F
- RCD AUTO test
- TRMS Voltage, Rotary field and frequency
- Earth resistance

**ACCESORIES INCLUDED**

- 1 pc. MULTICHECK6010
- 3 pcs. Test leads each 1 m
- 1 pc. Schuko-plug test cable
- 3 pcs. Test probes
- 3 pcs. Alligator clips
- 1 pc. Instruction manual
- 6 pcs. Batteries 1.5 V / AAA, rechargeable batteries
- 1 pc USB cable
- Earth Resistance
- External power supply
- Calibration certificate
- Carrying bag

**OPTIONAL ACCESSORIES:**

- Carrying strap
- Test probe with TEST button
- Set for earth resistance testing: 3 test leads (20m/20m/5m)and 2 earth stakes

**TECHNICAL DATA**

Function	Test method	Range	
Insulation resistance (RISO)	Voltage: 50/100/250 V	0.000 MΩ ... 199.9 MΩ	
	Voltage: 500/1000 V	0.000 MΩ ... 999 MΩ	
Impedance (ZL/ZLoop)	Zline L-L, L-N, Ipfc	0.00 Ω ... 9999 Ω	
	Zloop L-PE, Ipfc	0.00 Ω ... 9999 Ω	
	Zloop L-PE, Ipfc, non trip	0.00 Ω ... 9999 Ω	
Earth resistance (RE) (OPTIONAL)	3-wire	0.00 Ω ... 9999 Ω	
	4-wire	0.00 Ω ... 9999 Ω	
	Specific earth resistance	0.00 Ω ... 9999 Ω	
Continuity (RLO)	Current: 7 mA (2-wire)	0.0 Ω ... 1999 Ω	
	Current: 200 mA (2-wire)	0.00 Ω ... 1999 Ω	
Voltage (V)	TRMS	0 ... 550 V	
	Frequency	10.0 Hz ... 499.9 Hz	
Phase rotation	TRMS	50 ... 550 Vac (45 Hz ... 400 Hz)	
RCD	Uc	0.0 V ... 99.9 V	
	t	0.0 ms ... 500.0 ms	
	I (Ramp)	0.2xIΔN ... 1.1xIΔN (AC)	0.2xIΔN ... 1.1xIΔN (A)
		(IΔN ≥30 mA)	0.2xIΔN ... 2.2xIΔN (A)
		(IΔN <30 mA)	0,2xIΔN ... 2,2xIΔN (B)
General	Power supply	Recharg. batteries (6 x 1.2V Ni-Mh/plug-in power supply)	
	Over voltage category	600 V CAT III 300 V CAT IV	
	Com Port	USB	
	Data Storage	Internal memory	

## MULTIFUNCTION TESTERS ACCESSORIES



**MULTICHECK/TBP**



**MULTICHECK/PLT-US**



**MULTICHECK/ERS**

SKU	KPSMFPROBCBINT	KPSMFPROBUSCBINT	KPSMFEARHCBINT
UPC	810053673522	810053673959	810053674598
EAN	8435394776378	8435394776491	8435394776385
Description	Commander with TEST button	Plug test probe	Earth resistance testing set (4 cables 20m/20m/5m/5m and 2 earth stakes)





NEW RANGE FOR PROFESSIONALS  
DCM CLAMP METERS



Made in Europe



## THERMAL CAMERAS

The TherCam series is comprised of fully equipped infrared temperature measurement equipment. It is high-tech and easy-to-use equipment, ideal for detecting the hot points on electrical circuits associated mainly with high electrical resistance due mainly to a poor contact surface or to a overloaded circuit. But not only it is suitable for electrical maintenance but for many other applications such as mechanical components, buildings, process equipment, HVAC and others.

Its simple operating interface and smart button navigation will make the first time user feel like an expert.



- IR RESOLUTION**  
120X90
- Thermal Sensitivity / NETD**  
60 mk
- IMAGE FORMAT**  
IR
- TEMPERATURE RANGE**  
-10°C -150°C; 100°C-400°C; Autorange
- BATTERY OPERATING TIME**  
>8 hours



**TherCam 120**  
Thermographic camera

SKU	UPC	EAN 13
KPSTHERCAM120CBINT	810053672815	8435394778488

- Boot-up in 1 second: Boot up and display fully radiometric image instantly; Full screen max & min temperature alarm.
- 2.4 inch Large Display; 240x320 pixel Color LCD.
- Good-handle Buttons; Ergonomic design; Easy to operate even wear the gloves.
- 2-hour Quick Charge USB Type-C Interface High power quick charge
- 8-hour Battery Life; Low power consumption; Large capacity battery.
- IR/Visible/Laser Indicator Pinpoint targets precisely.
- Rugged Design: 2-meter Drop Test, IP54 encapsulation.



Detector type	VOx/7.5~14μ m
IR Resolution	120X90
Thermal Sensitivity / NETD	60 mk
Field of view(FOV)	50°× 38°
Spatial Resolution(IFOV)	7.6 mrad
Frame Rate	25Hz/9Hz
Digital Zoom	No
Focus	N/A
Visible Camera Resolution	No
Flashlight	No
Display	TFT display
Screen size	2,4"
Image Model	IR image
Color Palettes	6
Temperature Range	-20°C~150°C; 100°C~400°C; Autorange
Accuracy	2%
Measurement Spot	center, max, min
Measurement Area	3 (incl. max & min temp)
Alarm	Max & Min
Auto Hot & Cold Spot Tracking	Yes
Storage Media	Yes
Voice record	No
Video record	No
Memory Card	TF Standard (16Gb)
USB	Yes
Laser	Yes
Tripod interface	Yes
WIFI	No
Mobile APP	No
PC IR Analysis Software	Yes
Battery Type	Rechargeable Li-ion
Battery Operating Time	>8 hours
Charging Time	≤2.5 hours
Operating Temperature	-10°C~50°C
Protection class	IP54
Drop test	2-meter drop test
Certification	CE/ROHS/FCC



**IR RESOLUTION**  
256X192

**Thermal Sensitivity / NETD**  
<50 mk

**IMAGE FORMAT**  
IR/Visible/PiP

**TEMPERATURE RANGE**  
-20°C -150°C; 100°C-650°C  
Auto switching

**WIFI**  
YES



### TherCam256 Thermographic camera

SKU	UPC	EAN 13
KPSTHERCAM256CBINT	810053672839	8435394778525

- Friendly UI, easy to use without training.
- Affordable as entry level diagnostic tool.
- Removable Large capacity Li-ion battery, 4 hour working time.
- 3.5" large screen with no image cropping, high brightness screen to show image with no detailed information lost even outdoor or in highlight.
- Rugged and compact design, metal internal structure.
- Standard Micro USB interface for data transmission and charging.
- Optional Wi-Fi connection with notebook or mobile.



Detector type	VOx/7.5~14μ m
IR Resolution	256X192
Thermal Sensitivity / NETD	<50 mk
Field of view(FOV)	35°× 26°
Spatial Resolution(IFOV)	2,36 mrad
Frame Rate	25Hz/9Hz
Digital Zoom	x2,x4
Focus	N/A
Visible Camera Resolution	Yes (640× 480)
Flashlight	Yes
Display	TFT display
Screen size	3,5"
Image Model	IR/Visible/PiP images
Color Palettes	6
Temperature Range	-20°C~150°C; 100°C~650°C; Autorange
Accuracy	2%
Measurement Spot	center, max, min
Measurement Area	3 (incl. max & min temp)
Alarm	Max & Min
Auto Hot & Cold Spot Tracking	Yes
Storage Media	No
Voice record	Yes
Video record	Yes
Memory Card	TF Standard (16Gb)
USB	Yes
Laser	Yes
Tripod interface	Yes
WIFI	Yes
Mobile APP	Yes
PC IR Analysis Software	Yes
Battery Tpye	Rechargeable Li-ion
Battery Operating Time	>4 hours
Charging Time	4 hours
Operating Temperature	-15°C~50°C
Protection class	IP43
Drop test	1-meter drop test
Certification	CE/ROHS/FCC

**IR RESOLUTION**

384x288

**Thermal Sensitivity / NETD**

&lt;50 mk

**IMAGE FORMAT**

45mK

**TEMPERATURE RANGE**-20°C -150°C; 100°C-650°C;  
-650°C -1500°C; Auto switching**WIFI**

YES

**DISPLAY**

LED touch screen



## TherCam384

### Thermographic camera

SKU	UPC	EAN 13
KPSTHERCAM384CBINT	810053672846	8435394778549

- 4" high light touch screen.
- Built-in illuminator: take visible photos in the low lighting environment.
- Different image type: IR, visible, MIF, PIP
- Removable SD card: up to 32G storage capacity for photos and videos compression storage.
- Wi-Fi share: share IR images and findings immediately.



Detector type	VOx/ 8~14μm
IR Resolution	384x288
Thermal Sensitivity / NETD	45mK
Field of view(FOV)	28.4°×21.5°
Spatial Resolution(IFOV)	1,29 mrad
Frame Rate	25Hz
Digital Zoom	1.1~4
Focus	Manual
Visible Camera Resolution	Yes (5M Pixels)
Flashlight	Yes
Display	highlight LED touch screen
Screen size	4"
Image Model	IR/Visible/PIp/MIF images
Color Palettes	8
Temperature Range	-20°C~150°C; 100°C~650°C; 650°C~1500°C; Autorange
Accuracy	2%
Measurement Spot	5
Measurement Area	5
Alarm	Max & Min
Auto Hot & Cold Spot Tracking	1. Max/ Min temp spot of full screen 2. Max/ Min temp spot of analysis object
Memory Card	In camera and TF card, JPG with temp info
Voice record	Yes
Video record	Yes
Storage Media	TF Standard (16Gb)
USB	Yes
Laser	Yes
Tripod interface	Yes
WIFI	Yes
Mobile APP	Yes
PC IR Analysis Software	Yes
Battery Type	Rechargeable Li-ion
Battery Operating Time	>4 hours
Charging Time	4 hours
Operating Temperature	-10°C~50°C
Protection class	IP54
Drop test	Shock & vibration test
Certification	CE/ROHS/FCC


**TherCam 120**

**TherCam 256**

**TherCam 384**

SKU	KPSTHERCAM120CBINT	KPSTHERCAM256CBINT	KPSTHERCAM384CBINT
IR sensor type	VOx/7.5~14µ m	VOx/7.5~14µ m	VOx/ 8~14µm
IR sensor resolution	120X90	256X192	384x288
NETD (Thermal Sensitivity)	60 mk	<50 mk	45mK
FOV	50°× 38°	35°× 26°	28.4°×21.5°
IFOV	7.6 mrad	2.36 mrad	1.29 mrad
Refresh rate	25Hz/9Hz	25Hz/9Hz	25Hz
Digital Zoom	No	x2,x4	1.1~4
Focus	N/A	N/A	Manual
Visible camera resolution	No	Yes(640× 480)	Yes (5MPixels)
Flash light	No	Yes	Yes
Screen type	TFT display	TFT display	Touch screen highlight LED
Screen size	2,4"	3,5"	4"
Image format	IR	IR/Visible/PIP	IR/Visible/PIP/MIF
Color palettes	6	6	8
Temperature range	-20°C~150°C; 100°C~400°C; Auto switching	-20°C~150°C; 100°C~650°C; Auto switching	-20°C~150°C; 100°C~650°C; 650°C~1500°C; Auto switching
Precision	2%	2%	2%
Temperature points	center, max, min	center, max, min	5
Temperature areas	3(incl. max & min temp)	3(incl. max & min temp)	5
Temperature alarms	Max & Min	Max & Min	Max & Min
Hot and cold spot tracking	Yes	Yes	1. points Max/ Min temp on display; 2. Max/Min points spot of object
Image storage	Yes	Yes	In camera and TF card
Voice recording	No	No	Yes
Video recording	No	Yes	Yes
Memory card	TF Standard (16Gb)	TF Standard (16Gb)	TF Standard (16Gb)
USB	Yes	Yes	Yes
Laser	Yes	Yes	Yes
Tripod interface	Yes	Yes	Yes
Wifi	No	Yes	Yes
APP	No	Yes	Yes
PC software	Yes	Yes	Yes
Battery Type	Li-ion rechargeable	Li-ion rechargeable	Li-ion rechargeable
Battery life (continuous mode)	>8 hours	>4 hours	>4 hours
Charging time	≤2.5 hours	4 hours	4 hours
Operating temperature	-10°C~50°C	-15°C~50°C	-10°C~50°C
IP grade	IP54	IP43	IP54
Drop test	2m drop test	1m drop test	Shock and vibration tests
Certifications	CE/ROHS/FCC	CE/ROHS/FCC	CE/ROHS/FCC



## EARTH RESISTANCE TESTERS



The KPS earth meters are professional instruments that allow the resistance of earthing to be checked using 2 or 3-pole methods according to the European standard EN61557-5.

In addition, these equipments allow the preliminary voltage verification of the grounding, verifying that there are no dangerous voltages for the user.

On the other hand the clamp-on KPS TLP100 is and stake-less ground tester which allows adirect measurement avoiding cable connections and saving time



**VOLTAGE**  
0-200VAC

**RESISTANCE**  
0,01~4,00 KΩ



### KPS-TL300 Earth resistance tester

SKU	UPC	EAN 13
KPSTL300CBINT	810053670316	8435394747309

- Earth resistance tester.
- 4000 counts.
- 2-pole or 3-pole measurement method.
- Earth voltage measurement.
- Continuity test.
- MAX/MIN/AVG values. Relative resistance measurement.
- Data Hold.
- Auto-off disply backlight and low battery display.
- CATIII 300V according to EN 61010.



**VOLTAGE**  
0-200VAC

**RESISTANCE**  
0-2000Ω

### KPS-TL320. Earth resistance tester

SKU	UPC	EAN 13
KPSTL320CBINT	810053670323	8435394747316

- Earth resistance tester
- 2000 counts.
- 2-pole or 3-pole measurement method
- Earth voltage measurement
- Ω adjustment.
- Data hold
- Low battery display
- CATIV 200V according to EN 61010



**JAW OPENING**  
45mm x 32mm /  
1.8" x 1"

**CURRENT**  
0-20A

**RESISTANCE**  
0-1200Ω



### KPS-TLP100. Earth resistance Clamp Meter

SKU	UPS	EAN 13
KPSTLP100CBINT	810053670330	8435394774664

- Earth resistance and leakage current tester.
- 10000 counts.
- Measuring the earth resistance safely and easily by clamping the ground line
- Setting alarm threshold
- Data hold and data register
- Auto range and low battery display
- Internal memory for recording measurements
- Jaw dimensions:45x32mm
- CATIII 150V according to EN 61010

## EARTH RESISTANCE TESTERS


**KPS-TL300**

**KPS-TL320**

**KPS-TLP100**

SKU	KPSTL300CBINT	KPSTL320CBINT	KPSTLP100CBINT
Voltage	200V AC	200V AC	–
Earth resistance	4.000Ω	2.000Ω	1.200Ω
Current	–	–	20A
2 Poles Method	√	√	–
3 Poles Method	√	√	–
Clamp-on method	–	–	√
Hold	√	√	√
Relative measurements	√	–	–
MAX/MIN/AVG	√	–	–
Zero Adjustment	–	√	–
Auto range	√	–	√
Jaw capability	–	–	45mm x 32mm
Auto Power-Off	√	–	√
Backlight	√	–	–
Low Battery Indicator	√	√	√
Datalogging	√	–	√
Safety rating according to EN61010	CAT III 300V	CAT IV 200V	CAT III 150V



## INSULATION TESTERS

Insulation is a safety element that has the purpose of avoiding contact with live parts. Therefore, the insulation test reveals possible failures caused by contamination, humidity, deterioration of the insulation material, etc.

KPS range offers different models according to their voltages test up to 1kV, 5 kV and 10kV respectively, being the suitable equipment for insulation troubleshooting and preventative maintenance applications



**VOLTAGE**  
DC 1000V  
AC 750V

**RESISTANCE**  
10GΩ



Calibration certificate included



### KPS-MA100 Insulation tester up to 1kV

SKU	UPC	EAN 13
KPSMA100CBINT	810053670347	8435394747323

- Rugged, compact and advanced Insulation resistance tester
- Insulation Voltage test (50V, 100V, 250V, 500V and 1000V)
- DAR/PI calculation
- Programmable timer
- MAX/MIN/AVG values. Relative measurement
- Compare function
- Data register
- DC/AV voltage and resistance measurement
- Continuity test
- Auto-off display backlight and low battery display
- CAT III 1000V, CAT IV 600V according to EN 61010





**RESISTANCE**  
5TΩ

**VOLTAGE**  
DC 1000V  
AC 750V

**LEAK CURRENTS**  
300 mA

**KPS-MA500**  
Insulation tester up to 5kV

SKU	UPC	EAN 13
KPSMA500CBINT	810053670354	8435394747330

- Insulation tester up to 5 KV with adjustable test voltage in 25V or 100V steps.
- 10000 counts.
- DAR/PI calculation
- Step voltage test
- Temperature compensation
- Compare function
- Data register and PC software for downloading the results
- DC/AV voltage measurement
- CATIII 1000V/CATIV 600V according to EN 61010





# INSUTEST 10000

The INSUTEST 10000 is a small and light 10 kV insulation resistance tester for the diagnostic testing and maintenance of high voltage electrical equipment, cables, generators, circuit breakers, motors...etc



SKU	UPC	EAN 13
KPSINSUTEST10000CBINT	810053671276	8435394776408

### MAIN FEATURES

- 2 Lines × 16 Characters LCD
- Microprocessor-controlled
- Tests insulation resistance up to 20 TΩ
- 4 Insulation test voltages: 1000V, 2500V, 5000V, 10000V
- AC / DC Voltmeter (30~600V)
- Auto-ranging on all insulation ranges
- Auto- discharge function
- Well isolated from contact
- Well protected from surges
- 2 built-in optical LEDs for data transfer
- Visual and audio warning of external voltage presence (≥30Vac or ≥30Vdc)
- Auto-hold function to freeze reading
- Overload protection
- Adjustable testing duration: 1~30 minutes
- Internal memory for data storage
- Displays testing duration for insulation measurement
- Auto-off function
- 200 measurement results can be saved in memory and recalled on display
- Optical USB to RS-232 data transmission

### Data Communication Function with measurement storage and PC interface

- Data can be downloaded and saved to a PC.
- Data can also be transferred to a PC for real-time display.
- 200 measurement results can be saved in the memory and recalled on the display.



**RISO**  
 Test voltages: 1kV, 2.5kV, 5kV, 10kV  
 Ratio: 0-20TΩ

**VOLTAGE**  
 VAC: 30~600V (50/60Hz)  
 VDC: 30~600V

**RATIOS**  
 PI (Polarization index)  
 DAR (Dielectric Absorption)

**CURRENT**  
 Current: 0.5nA ~ 0.55mA

### TECHNICAL DATA

Function	Range
Test Voltage	1000V, 2500V, 5000V, 10000V
Insulation resistance	2TΩ / 1000V 5TΩ / 2500V 10TΩ / 5000V 20TΩ / 10000V
Resolution	1000MΩ: 1MΩ 10GΩ: 0.01GΩ 100GΩ: 0.1GΩ 1TΩ: 1GΩ 10TΩ: 10GΩ 20TΩ: 100GΩ
Short Circuit Current	Up to 5mA
PI (Polarization Index)	Yes
DAR (Dielectric Absorption Ratio)	Yes
Voltmeter	ACV: 30~600V (50/60Hz) DCV: 30~600V Resolution: 1V
Current measurement	0.5nA ~ 0.55mA (Depending on the insulation Resistance)

General Features	
Power source	1.5V "C" × 8 Alkaline Batteries
Dimensions	330 (L) × 260 (W) × 160 (D) mm
Weight	Approx. 4284g (battery included)
Safety standard	EN 61010-1 CAT IV 600V EN 61010-2-030 EN 61326-1
Accessories	<ul style="list-style-type: none"> <li>• Instruction manual</li> <li>• Test leads</li> <li>• Data transmission cable CA-232</li> <li>• Alligator clips</li> <li>• Batteries</li> <li>• Calibration certificate</li> </ul>

## INSULATION TESTERS


**KPS-MA100**

**KPS-MA500**

**INSUTEST10000**

SKU	KPSMA100CBINT	KPSMA500CBINT	KPSINSUTEST10000CBINT
Voltage Test (Vdc)	50V, 100V, 250V, 500V, 1000V	250V, 500V, 1000V, 2500V, 5000V	1000V, 2500V, 5000V, 10000V
Insulation resistance	10GΩ	5TΩ	20TΩ
Voltage test:50Vdc, 100Vdc	√	–	–
Voltage test:250Vdc, 500Vdc	√	√	–
Voltage test:1000Vdc	√	√	√
Voltage test:2500Vdc, 5000Vdc	–	√	√
Voltage test:10000Vdc	–	–	√
Configurable Intermedium voltages test	–	√	–
Stepped voltages test	–	√	–
DAR/PI	√	√	√
Timer	√	√	√
Temperature compensation	–	√	–
Auto discharge	–	√	√
DC Voltage measurement	1000V	1000V	600V
AC Voltage measurement	750V	750V	600V
Leakage current measurement	–	3mA	–
Resistance measurement	200Ω	–	–
Continuity Test	√	–	–
Temperature measurement	–	70°C	–
Relative mesurement	√	–	–
MAX/MIN	√	–	–
Auto range	√	√	√
Auto Power Off	√	√	√
Backlight	√	√	–
Low battery Indicator	√	√	√
Datalogging	√	√	√
PC communication	–	USB	USB
Safety rating according to EN61010	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT IV 600V



## MINI CLAMP METERS

KPS MINI is a range of small size clamps, with all the functionalities and safety required not only for domestic or commercial applications but also professional electrical works



**NEW**

**JAW SIZE (MAX)**  
Ø22mm / 0.9"

**CURRENT** DC 300A  
AC 300A



**DCM200MINI**  
Mini DC/AC Clamp Meter

SKU	UPC	EAN 13
KPSDCM200MINICBINT	810053677728	8435394787237

- Thanks to its pocket size and functionalities such as Automatic detection of AC or DC currents, Inrush current measurement or High frequency rejection mode, DCM200MINI is the right clamp for simple but reliable current measurements on both domestic/commercial or industrial applications
- True-RMS
- 6000 count large scale LCD display with backlight
- 10mA Resolution
- Inrush Current Measurement
- 1.5% basic DCA/ACA accuracy
- Pocket size Current Meter
- NCV detection
- Low pass filter
- HOLD
- ZERO function
- CAT III 600V according to EN 61010



**JAW SIZE**  
Ø28mm / 1.1"

**VOLTAGE** DC 600V  
AC 600V

**CURRENT** AC 300A



**KPS-PA420 MINI**  
Mini digital Clamp Meter

SKU	UPC	EAN 13
KPSPA420MINICBINT	810053670149	8435394747194

- Mini digital clamp meter
- AC/DC voltage, AC current and resistance measurement
- Diode check and continuity buzzer
- Data hold
- Low battery display
- CAT III 600V according to EN 61010



**JAW SIZE**  
Ø26mm / 1.0"

**VOLTAGE** DC 600V  
AC 600V

**CURRENT** AC 600A



**KPS-PA20 MINI**  
Mini digital Clamp Meter

SKU	UPC	EAN 13
KPSPA20MINICBINT	810053670163	8435394710150

- Mini digital clamp meter
- Display: 4000 counts
- AC/DC voltage, AC current
- Resistance (40MΩ), frequency, duty cycle and capacitance (100µF) measurement
- Temperature measurement from -20°C to +750°C
- Autoranging
- Diode check and continuity buzzer
- Data hold
- Auto-off, display backlight and low battery display
- CAT III 600V according to EN61010



**SMART**  
Automatically detects what you are measuring!

**JAW SIZE**  
Ø26mm / 1.1"

**VOLTAGE** DC 600V  
AC 600V

**CURRENT** AC 600A



**KPS-PA900 MINI**  
Mini digital Clamp Meter

SKU	UPC	EAN 13
KPSPA900MINICBINT	810053670200	8435394747224

- Mini digital clamp meter
- Display Counts: 6000
- Dual reading
- Auto Range
- No-contact voltage measurement.
- True RMS. Continuity: <40Ω
- Max/Min. Data A-Hold
- Auto Power Off.
- Low Bat. Display
- Display Backlight
- Worklight
- CAT III 600V according to EN 61010



**JAW SIZE**  
Ø26mm / 1.0"

**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 400A  
AC 400A



**KPS-PA430 MINI**  
Minipinza amperimétrica digital

SKU	UPC	EAN 13
KPSPA430MINICBINT	810053670170	8435394747651

- Mini digital clamp meter
- AC/DC voltage, AC/DC current
- Display: 4000 counts
- Resistance (40MΩ), capacitance (4000µF) and frequency (10MHz) measurement
- Continuity buzzer and diode test
- MAX/MIN values. Relative measurements
- Data hold
- Autoranging, auto-off, work light and low battery display
- CAT III 600V according to EN 61010



**VOLTAGE (EU/UK)**  
AC 250 V

**VOLTAGE (USA)**  
AC 125 V

**CURRENT**  
AC 15 A

**KPS-SL100**  
Line splitter

SKU	KPSSL100CBINT	KPSSL100UKCBINT	KPSSL100USCBINT
UPC	-	-	810053670583
EAN	8435394747484	8435394776477	8435394776446







## OPEN JAW CLAMP METERS

Through the open jaw desing, the KPS clamps PA440 and DCM1500JW allows a quick and safe current measurements with no need to clamp the cable under test, saving time during the inspection on intallations or panelboards with multiple wiring .

**COMING SOON**



**JAW SIZE**  
Ø16mm / 0.6"

**VOLTAGE**  
DC 1000V  
AC 1000V

**CURRENT** AC 200A



DCM1500JW digital Clamp Meter with open jaw

SKU	UPC	EAN 13
KPSDCM1500JWCBINT	810053677735	8435394787244

- True RMS reading on AC mode
- Auto Selection on ACV, DCV, 2, ACA,
- Diode and Continuity
- 10000 count digital display with backlit
- Smart Data Hold
- 0.3% basic DCV accuracy
- Max conductor size:16mm diameter
- Backlit LCD display
- Auto Power Off
- Non Contact Voltage Detection
- CATIII 600V according to EN 61010



**JAW SIZE**  
Ø12mm / 0.5"

**VOLTAGE**  
DC 600V  
AC 600V

**CURRENT** DC 1200uA  
AC 200A



KPS-PA440 Digital Clamp Meter with open jaw

SKU	UPC	EAN 13
KPSPA440CBINT	810053670217	8435394747231

- Auto range. Power overload protection
- Maximum voltage between circuit and ground:1000V AC/DC
- Display: 6000 counts.
- Auto Ranging. Auto Power Off
- Non-Contact Voltage Detector. Diode test: 3.2V
- Continuity Buzzer: <50Ω
- Data Hold. Work Light
- Display Backlight
- Low Battery Display
- CATIII 600V according to EN 61010

## MINICLAMPS

## OPEN JAW

NEW



DCM200MINI



KPS- PA420 MINI



KPS- PA20 MINI



KPS- PA430 MINI

COMING SOON



DCM1500JW



KPS- PA440

SKU	KPSDCM200MIN ICBINT	KPSPA420MINI CBINT	KPSPA20MINICBINT	KPSPA430MINI CBINT	KPSDCM1500JWCBINT	KPSPA440CBINT
True RMS measurements	√	–	–	–	√	–
Counts	6000	2000	4000	4000	10000	6000
Alternating current, up to	300A	400A	600A	400A	200A	200A
Direct current, up to	300A	–	–	400A	–	1000μA
AC/DC low currents (μA)	–	–	–	–	–	–
Alternating voltage, up to	–	600V	600V	600V	1000V	600V
Direct voltage, up to	–	600V	600V	600V	1000V	600V
Resistance, up to	–	2kΩ	40MΩ	40MΩ	10MΩ	60MΩ
Frequency, up to	–	–	10kHz	1kHz	–	60MHz
Temperature, up to	–	–	750°C	–	–	400°C
Continuity test	–	√	√	√	–	√
Diode test	–	√	√	√	√	√
Capacitance, up to	–	–	100μF	–	–	60mF
Non-contact voltage detection	√	–	–	–	√	√
Inrush current	√	–	–	–	–	–
Low pass filter	√	–	–	–	–	–
Power measurements (W, VA, VAR, PF)	√	–	–	–	–	–
Data Hold	√	√	√	√	√	√
Relative measurements	–	–	–	√	–	–
MAX/MIN values	–	–	–	√	–	–
Autoranging	√	–	√	√	–	√
Jaw size	24 mm	28 mm	26 mm with worklight	26 mm with worklight	16 mm	12 mm with worklight
Auto off	√	–	√	√	√	√
Backlight display	√	–	√	√	–	√
Low battery display	√	√	√	√	√	√
Connectivity	–	–	–	–	–	–
Data logging	–	–	–	–	–	–
Category according to EN61010	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT IV 600V CAT III 1000V	CAT III 600V



# INDUSTRIAL CLAMPS

Industrial applications require different specifications than domestic/commercial applications due to the electrical conditions of these types of systems.

KPS offers different models incorporating suitable features and functionalities, such as TRMS measurements and CATIV safety rating, high frequency rejection to cope with noisy signal environments or low impedance mode to eliminate the influence on the measurement of ghost voltages, all useful for safe and accurate measurements.



**JAW SIZE**  
Ø42mm / 1.6"

**VOLTAGE**  
DC 1000V  
AC 750V

**CURRENT**  
DC 1000A  
AC 1000A



## KPS-PA720 TRMS digital Clamp Meter

SKU	UPC	EAN 13
KPSPA720CBINT	810053670194	8435394747217

- TRMS digital clamp meter
- Display counts: 6000
- AC/DC voltage, AC/DC current, inrush current, resistance and frequency measurement
- TRMS measurement
- Diode check and continuity buzzer
- Non-contact voltage detector
- MAX/MIN values. Relative measurement
- Data hold
- Auto range, auto-off, display backlight, worklight and low battery display
- CATIII 1000V, CATIV 600V according to EN 61010



**JAW SIZE**  
Ø42mm / 1.7"

**VOLTAGE**  
DC 1000V  
AC 750V

**CURRENT**  
AC 1000A



## KPS-PA10 Digital Clamp Meter

SKU	UPC	EAN 13
KPSPA10CBINT	810053670156	8435394710143

- Digital clamp meter
- Display counts: 2000
- DC/AC voltage, AC current and resistance (2MΩ) measurement.
- Continuity buzzer and diode test.
- Data hold.
- Display backlight.
- Low battery display.
- CATII 1.000V, CATIII 600V according to EN 61010.



**JAW SIZE**  
Ø40mm / 1.6"

**VOLTAGE**  
DC 1000V  
AC 750V

**CURRENT**  
AC 1000A



## KPS-PA700 TRMS digital Clamp Meter

SKU	UPC	EAN 13
KPSPA700CBINT	810053670187	8435394747200

- TRMS digital clamp meter
- Display counts: 6600
- AC/DC voltage, AC current, resistance, frequency and temperature measurement
- TRMS measurement
- Diode check and continuity buzzer
- Non-contact voltage detection
- MAX/MIN values. Relative measurement
- Data hold
- Auto range, auto-off, display backlight, worklight and low battery display
- CATIII 1000 V/ CAT IV 600V according to EN 61010

# THE PROFESSIONAL'S CHOICE...



*Experts in Measurement Instrumentation*

- ACCURACY
- INNOVATION
- VERSATILITY
- SAFETY



**KPS** FOLLOW US!

[www.kps-intl.com](http://www.kps-intl.com)

10 YEARS WARRANTY

**NEW**



**JAW SIZE**  
Ø40mm / 1.6"  
with worklight

**VOLTAGE**  
DC 1000V  
AC 750V

**CURRENT** AC 1000A



**DCM3000**  
TRMS Clamp Meter 1000AC

SKU	UPC	EAN 13
KPSDCM3000CBINT	810053671962	8435394777696

- AC/DC Voltage, AC current and resistance measurements.
- True Root Mean Square (TRMS) measurement.
- Continuity buzzer and diode test.
- Non-Contact Voltage detection.
- Autoranging.
- 6,000 counts
- Max/min functions
- Relative function
- Auto power OFF and low battery display
- CATIV 600V according to EN 61010.

**NEW**



**JAW SIZE**  
Ø40mm / 1.6"  
with worklight

**VOLTAGE**  
DC 1000V  
AC 750V

**CURRENT** DC 1000A  
AC 1000A



**DCM4000T**  
TRMS Clamp Meter 1000A ACDC with temperature

SKU	UPC	EAN 13
KPSDCM4000TCBINT	810053671986	8435394777719

- AC/DC Voltage, AC/DC current, resistance, frequency, capacitance and temperature measurements.
- True Root Mean Square (TRMS) measurement.
- Continuity buzzer and diode test.
- Non-Contact Voltage detection.
- Autoranging.
- 6,000 counts
- Max/min functions
- Relative function
- Auto power OFF and low battery display
- CATIV 600V according to EN 61010.

**NEW**



**JAW SIZE**  
Ø40mm / 1.6"  
with worklight

**VOLTAGE**  
DC 1000V  
AC 750V

**CURRENT** AC 1000A



**DCM3500T**  
TRMS Clamp Meter 1000 AC with temperature

SKU	UPC	EAN 13
KPSDCM3500TCBINT	810053671979	8435394777702

- AC/DC Voltage, AC current, resistance, frequency, capacitance and temperature measurements.
- True Root Mean Square (TRMS) measurement.
- Continuity buzzer and diode test.
- Non-Contact Voltage detection.
- Autoranging.
- 6,000 counts
- Max/min functions
- Relative function
- Auto power OFF and low battery display
- CATIV 600V according to EN 61010.

**NEW**



**JAW SIZE**  
Ø40mm / 1.6"  
with worklight

**VOLTAGE**  
DC 1000V  
AC 1000V

**CURRENT** DC 600A  
AC 600A



**DCM8000BT**  
Industrial TRMS AC/DC Clamp Meter

SKU	UPC	EAN 13
KPSDCM8000BTCBINT	810053677759	8435394787268

- True Root Mean Square (TRMS) measurement
- 6000 counts
- Low impedance mode measurements
- AC/DC currents (600A)
- High Frequency rejection function
- Non Contact Voltage detection
- Inrush current measurements
- Resistance and capacitance
- MAX/MIN values, and relative measurements
- Torch
- Flexible current test, integrated with FLEX current probes expand the current range to 3000ACA, providing a direct "Amp" reading display, making electrical measurements easier and safer. (optional accessory, find further information on page 37)
- CATIII 1000V, CATIV 600V according to EN 61010

## INDUSTRIAL CLAMPS


**KPS-PA10**
**KPS- PA700**
**KPS- PA720**
**DCM3000**
**DCM3500T**
**DCM4000T**
**DCM8000BT**

SKU	KPSPA10CBINT	KPSPA700CBINT	KPSPA720CBINT	KPSDCM3000CBINT	KPSDCM3500T CBINT	KPSDCM4000T CBINT	KPSDCM8000BT CBINT
True RMS measurements	–	√	√	√	√	√	√
Counts	2000	6600	6000	6000	6000	6000	6000
Altern current, up to	1000A	1000A	1000A	1000A	1000A	1000A	600A
Direct current, up to	–	–	1000A	–	–	1000A	600A
AC/DC low currents (µA)	–	–	–	–	–	–	–
Altern voltage, up to	750V	750V	750V	750V	750V	750V	1000V
Direct voltage, up to	1000V	1000V	1000V	1000V	1000V	1000V	1000V
Resistance, up to	2kΩ	66MΩ	60MΩ	20MΩ	20MΩ	20MΩ	600kΩ
Frequency, up to	–	66MHz	10MHz	–	60kHz	60kHz	10kHz
Temperature, up to	–	1000°C	–	–	760°C	760°C	–
Continuity test	√	√	√	√	√	√	√
Diode test	√	√	√	√	√	√	√
Capacitance, up to	–	66mF	100mF	–	6mF	6mF	1000µF
Non–contact voltage detection	–	√	√	√	√	√	√
Inrush current	–	–	√	–	–	–	√
Low pass filter	–	–	–	–	–	–	√
Data Hold	√	√	√	√	√	√	√
Relative measurements	–	√	√	√	√	√	√
MAX/MIN values	–	√	√	√	√	√	√
Autoranging	–	√	√	√	√	√	√
Jaw size	42 mm	40 mm with worklight	40 mm with worklight	40 mm with worklight	40 mm with worklight	40 mm with worklight	37 mm with worklight
Auto off	–	√	√	√	√	√	√
Backlight display	√	√	√	√	√	√	√
Low battery display	√	√	√	√	√	√	√
Connectivity	–	–	–	–	–	–	BT
Data logging	–	–	–	–	–	–	√
Compatibility with Flex current probe	–	–	–	–	–	–	√
Category according to EN61010	CAT II 1000V CAT III 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V



# POWER & LEAKAGE CLAMPS

KPS DCM5000PW and DCM6000PW clamp meters provide advanced Power features, such as Power(W), Power factor, Harmonics distortion and even Harmonics 1st to 25th with easy-to-use interface, which enables fully professional power measurement application with excellent performance.

Check the power consumption directly on your phone using the KPS link APP.

The leakage clamp meter is the perfect tool for measuring and location of AC/DC currents responsible of RCDs troubleshooting and unexpected tripping out.



**JAW SIZE**  
Ø50mm / 2.0"

**VOLTAGE** AC 600V

**CURRENT** AC 1000A

CAT III 600V  
CE  
RoHS  
ETL Intertek

## KPS-PW300 Three phase power Clamp Meter

SKU	UPC	EAN 13
KPSPW300CBINT	810053670231	8435394774732

- Power clamp meter: active power, reactive power, apparent power, power factor and harmonic measurements.
- Display: 6000 counts.
- AC/DC voltage, AC current and frequency measurement.
- TRMS measurements.
- Dat logging: 100 groups.
- MAX/MIN values.
- Data Hold.
- Autoranging, auto-off, display backlight and low battery display.
- RS232 interface.
- CATIII 1000V according to EN 61010

**NEW**



**JAW SIZE**  
Ø33mm / 1.3"

**VOLTAGE** DC 1000V  
AC 1000V

**CURRENT** AC 600A

CAT IV 600V  
CAT III 1000V  
CE  
UK CA  
ETL Intertek

## DCM5000PW Three phase power Clamp Meter

SKU	UPC	EAN 13
KPSDCM5000PWCBINT	810053676875	8435394786292

- True Root Mean Square (TRMS) measurement
- 10000 counts
- Auto store
- Datalogging (9999 records)
- Inrush current
- High Frequency Rejection
- Phase rotation
- Harmonics, power, power factor measurements
- Capacitance, Frequency and resistance measurements
- Bluetooth connectivity
- Auto torch during cable clamping and active backlight that turns ON at the touch of a button or rotate the knob
- Compatible with FLEX current probe
- CATIV 600V, CATIII 1000V according to EN 61010

**COMING SOON**



**JAW SIZE**  
Ø40mm / 1.6"

**VOLTAGE** DC 1000V  
AC 1000V

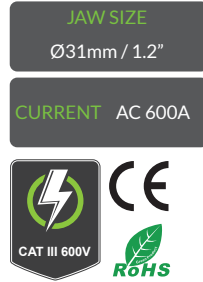
**CURRENT** DC 600A  
AC 600A

CAT IV 600V  
CAT III 1000V  
CE  
UK CA  
ETL Intertek

## DCM6000PW AC/DC Power Clamp Meter

SKU	UPC	EAN 13
KPSDCM6000PWCBINT	810053676882	8435394786308

- True Root Mean Square (TRMS) measurement
- 10000 counts
- Auto store
- Datalogging (9999 records)
- Inrush current
- High Frequency Rejection
- Phase rotation
- AC+DC current and voltage measurements
- Harmonics, power, power factor measurements
- Capacitance, frequency and resistance measurements
- Bluetooth connectivity
- Auto torch during cable clamping and active backlight that turns ON at the touch of a button or rotate the knob
- Compatible with FLEX current probe
- CATIV 600V, CATIII 1000V according to EN 61010



**KPS-PF10**  
Leakage Clamp Meter

SKU	UPC	EAN 13
KPSPF10CBINT	810053670224	8435394710181

- Three manually selectable scales: 2mA/20mA/60A.
- Minimum resolution of 0,001mA
- Data hold
- Low battery display
- 2000 counts
- CAT.III 600V according to EN61010.

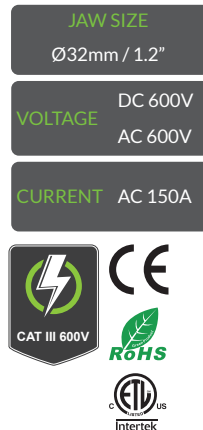
**NEW**



**DCM300LEAK**  
True RMS Leakage Clamp Meter

SKU	UPC	EAN 13
KPSDCM300LEAKCBINT	810053676851	8435394786254

- True RMS reading
- 5 ranges 6 mA, 60 mA, 600 mA, 6 A, 60 A, with a minimum resolution of 0,001mA
- 6000 counts
- Reliable measurements on circuits with harmonis or electric noise using the selectable Low Pass filter(High Frequency Rejection function)
- AC 60 Amps capability
- HOLD
- MAX/MIN values
- Torchlight
- Class 2 <30A/m, according with IE61557-13

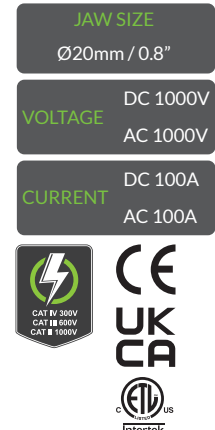


**KPS-PF740**  
Leakage Clamp Meter

SKU	UPC	EAN 13
KPSPF740CBINT	810053670248	8435394747248

- TRMS measurements.
- Leakage clamp meter with current scales: 4mA/40mA/400mA/4 A/ 40 A/ 150 A.
- Minimum resolution of 0,001 mA.
- 4000 counts.
- Low pass filter function.
- DC/AC current, AC current, resistance (40MΩ), capacity (40μF) and temperature (0°C to +1000°C).
- Diode check and continuity test.
- MAX/MIN values.
- Data hold.
- Auto range, Low battery display and AutoOFF
- CATIII 600V according to EN 61010.

**COMING SOON**



**DCM400LEAK**  
AC/DC TRMS leakage Clamp Meter

SKU	UPC	EAN 13
KPSDCM400LEAKCBINT	810053677711	8435394787220

- True RMS measurements
- 6000 counts
- Resistance measurement
- AC/DC 100 Amps capability
- High Frequency Rejection
- HOLD
- MAX/MIN values
- Non Contact Volatge Detection
- ZERO function
- Torch
- DC/AC 1mA resolution
- Smart Data Hold
- Flexible current test, integrated with FLEX current probes expand the current range to 3000ACA, proving a direct "Amp" reading display, making electrical measurements easier and safer.(optional accessory , find further information on pages 36-37)
- CATIII 1000V, CATIII 600V, CATIV 300V according to EN 61010.



## POWER CLAMPS

## LEAKAGE CURRENT CLAMPS



KPS-PW300



DCM5000PW



DCM6000PW



KPS-PF10



KPS-PF740



DCM300LEAK



DCM400LEAK

SKU	KPSPW300CBINT	KPSDCM5000PW CBINT	KPSDCM6000PW CBINT	KPSPF10CBINT	KPSPF740CBINT	KPSDCM300LEAK CBINT	KPSDCM400LEAK CBINT
True RMS measurements	√	√	√	–	√	√	√
Counts	6000	10000	10000	2000	4000	6000	6000
Alternating current, up to	1000A	600A	600A	60A	150A	60A	100A
Direct current, up to	–	–	600A	–	–	–	100A
AC/DC low currents (µA)							
Alternating voltage, up to	600V	1000V	1000V	–	600V	–	1000V
Direct voltage, up to	–	1000V	1000V	–	600V	–	1000V
Resistance, up to	–	100kΩ	100kΩ	40MΩ	40MΩ	–	40MΩ
Frequency, up to	1kHz	10kHz	10kHz	–	–	–	50kHz
Temperature, up to	–	–	–	–	1000°C	–	–
Continuity test	√	√	√	–	√	–	√
Diode test	√	√	√	–	√	–	√
Capacitance, up to	–	4mF	4mF	–	40mF	–	–
Non-contact voltage detection	–	–	√	–	–	–	√
Inrush current	–	√	√	–	–	–	–
Low pass filter	–	√	√	√	√	√	√
Power measurements (W, VA, VAR, PF)	√	W, PF	W, PF	–	–	–	–
Harmonic measurements	√	√	√	–	–	–	–
Data Hold	√	√	√	√	√	√	√
Relative measurements	–	√	–	–	–	–	–
MAX/MIN values	–	√	√	–	√	√	√
Autoranging	√	√	√	–	√	√	√
Jaw size	50 mm	33 mm with worklight	33 mm	31 mm	30 mm	40 mm with worklight	21 mm
Auto off	√	√	√	√	√	√	√
Backlight display	√	√	√	–	–	√	√
Low battery display	√	√	√	√	√	√	√
Connectivity	RS232	BT	BT	–	–	BT	–
Data logging	√	√	√	–	–	–	–
Flex. probe compatibility	–	√	√	–	–	–	√
Category according to EN61010	CAT III 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT II 1000V CAT III 600V CAT IV 300V



# HVAC & PV CLAMPS

Specific functionalities such as Temperature measurement through type K thermocouple, or DC microamps, capacitance or inrush current measurements make the model DCM7000BT the right tool for troubleshoot and maintain HVAC equipment

The models DCM8500PV and DCM8700PV are specially suitable for all PV installations sizes thanks to the large capability for DC Voltage measurements (up to 2000Vdc)

Moreover, its PV Voltage mode reinforces the safety for the user during the measurement thanks to the special PV test leads.

**NEW**



**JAW SIZE**  
Ø37mm / 1.5"

**VOLTAGE**  
DC 1000V  
AC 1000V

**CURRENT** AC 600A



## DCM7000BT HVAC AC Clamp Meter

SKU	UPC	EAN 13
KPSDCM7000BTCBINT	810053676592	8435394784687

- True Root Mean Square (TRMS) measurement
- 6000 counts
- Low impedance mode measurements
- Low-pass filter (HFR mode)
- Low current measurements (4000uAmps)
- Non Contact Voltage detection
- AC current (600A)
- Inrush current measurements
- Resistance, capacitance, and Temperature measurements
- MAX/MIN values, and relative measurements
- Torch
- CATIV 600V, CATIII 1000V according to EN 61010

**NEW**



**JAW SIZE**  
Ø37mm / 1.5"

**VOLTAGE**  
DC 2000V  
AC 1500V

**CURRENT**  
DC 600A  
AC 600A



## DCM8500PV Solar Clamp Meter

SKU	UPC	EAN 13
KPSDCM8500PVCBINT	810053676608	8435394784694

- True Root Mean Square (TRMS) measurement
- 6000 counts
- Non contact Voltage
- Datalogging (4000 records)
- Low-pass filter (HFR mode)
- Low current measurements (4000uAmps)
- Inrush current
- Resistance, capacitance and Temperature measurements
- MAX/MIN/REL
- Torch
- Bluetooth connectivity
- CATIV 600V, CATIII 1000V according to EN 61010

**NEW**



**JAW SIZE**  
Ø37mm / 1.5"

**VOLTAGE**  
DC 2000V  
AC 1500V

**CURRENT**  
DC 600A  
AC 600A



## DCM8700PV Solar Clamp Meter

SKU	UPC	EAN 13
KPSDCM8700PVCBINT	810053677704	8435394787213

- True Root Mean Square (TRMS) measurement
- 6000 counts
- Non contact Voltage
- Datalogging (4000 records)
- Low-pass filter (HFR mode)
- Low current measurements (4000uAmps)
- Inrush current
- Resistance, capacitance and Temperature measurements
- MAX/MIN/REL
- Torch
- Bluetooth connectivity
- CATIV 600V, CATIII 1000V according to EN 61010

## HVAC

## PV CLAMPS



DCM7000BT



DCM8500PV



DCM8700PV

SKU	KPSDCM7000BTCBINT	KPSDCM8500PVCBINT	KPSDCM8500PVCBINT
True RMS measurements	✓	✓	✓
Counts	6000	6000	6000
Alternating current, up to	600A	600A	1500A
Direct current, up to	—	600A	1500A
AC/DC low currents (µA)	4000µA	4000µA	4000µA
Alternating voltage, up to	1000V	1500V	1500V
Direct voltage, up to	1000V	2000V	2000V
Resistance, up to	600kΩ	600kΩ	600kΩ
Frequency, up to	10kHz	10kHz	10kHz
Temperature, up to	400°C	400°C	400°C
Continuity test	✓	✓	✓
Diode test	✓	✓	✓
Capacitance, up to	1000µF	1000µF	1000µF
Non-contact voltage detection	✓	✓	✓
Inrush current	✓	✓	✓
Low pass filter	✓	✓	✓
Data Hold	✓	✓	✓
Relative measurements	✓	✓	✓
MAX/MIN values	✓	✓	✓
Autoranging	✓	✓	✓
Jaw size	37 mm with worklight	37 mm with worklight	42 mm with worklight
Auto off	✓	✓	✓
Backlight display	✓	✓	✓
Low battery display	✓	✓	✓
Connectivity	BT	BT	BT
Data logging	✓	✓	✓
Flex. probe compatibility	—	✓	✓
Category according to EN61010	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V



# FLEXIBLE CURRENT PROBE METERS

The flexible jaw of KPS FLEX current clamp meters allows the user to get into tight spaces and makes wire access easier or to measure around bus bars or big sized conductors getting at the same time a larger range of measurement (up to 3000AC A)

Moreover using the FLEX current probes DCM3010FLEX and DCM3018FLEX the current range of the measuring instrument can be expanded to 3000ACA, proving a direct "Amp" reading display, making electrical measurements easier and safer

**NEW**



**CURRENT** AC 3000A



**NEW**



**VOLTAGE** DC 1000V  
AC 1000V

**CURRENT** AC 3000A



**DCM4010FLEX**  
Flexible Current Probe Meter

SKU	UPC	EAN 13
KPSDCM4010FLEXCBINT	810053676615	8435394784700

- True RMS readings
- AC 3000A Capability with 10 inch (25cm) head cable length
- 3000 count large scale LCD display with backlit
- Data Hold
- Auto Ranging
- Low Battery Indicator
- CATIV 600V, CATIII 1000V according to EN 61010

**DCM4018FLEX**  
TRMS Flexible Current Probe Meter

SKU	UPC	EAN 13
KPSDCM4018FLEXCBINT	810053677766	8435394787275

- True RMS reading on ACA/ACV
- 10,000 counts LCD dual digital backlight display
- Fully automatic measuring on AC current, AC/DC voltage, Resistance and Frequency
- AC 3000A Capability with 18 inch (45cm) head cable length
- Current AC3000A
- Bluetooth connectivity
- CATIV 600V, CATIII 1000V according to EN 61010

**NEW**



CURRENT AC 3000A



**DCM3010FLEX**  
Flexible Current Probe Meter

SKU	UPC	EAN 13
KPSDCM3010FLEXCBINT	810053676912	8435394786391

- AC 3000A Capability with 10 inch (25cm) head cable length
- Slide switch to change range Voltage output to universal voltage meters
- 7.5mm coil diameter for tight space measurement
- 2-meter extension cable Low Batt.
- LED indicator Ergonomically designed one-hand operation
- CATIV 600V, CATIII 1000V according to EN 61010

**NEW**



CURRENT AC 3000A



**DCM3018FLEX**  
TRMS Flexible Current Probe Meter

SKU	UPC	EAN 13
KPSDCM4018FLEXCBINT	810053677766	8435394787275

- AC 3000A Capability with 10 inch (25cm) head cable length
- Slide switch to change range Voltage output to universal voltage meters
- 7.5mm coil diameter for tight space measurement
- 2-meter extension cable Low Batt.
- LED indicator Ergonomically designed one-hand operation
- CATIV 600V, CATIII 1000V according to EN 61010

## FLEXIBLE CURRENT PROBE METERS

**NEW**



**DCM3010FLEX**

**NEW**



**DCM3018FLEX**

**NEW**



**DCM4010FLEX**

**NEW**



**DCM4018FLEX**

SKU	KPSDCM3010FLEXCBINT	KPSDCM3018FLEXCBINT	KPSDCM4010FLEXCBINT	KPSDCM4018FLEXCBINT
TRMS	-	-	√	√
Counts	-	-	3000	10000
AC Current	3000A	3000A	3000A	3000A
AC Voltage	-	-	-	1000V
DC Voltage	-	-	-	1000V
Resistance	-	-	-	10kΩ
Frecuencia Response	-	-	-	10kHz
Data Hold	√	√	√	√
Backlight	-	-	√	√
Autoranging	-	-	√	√
Jaw size	10 cm	15 cm	10 cm	15 cm
Low battery display	√	√	√	√
Auto Power Off	√	√	√	√
Connectivity	-	-	-	BT
Category according to EN61010	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V



## POCKET MULTIMETERS

The pocket multimeter is mainly used as a tool for a first electrical diagnosis of our installation. Easy to handle, light and comfortable to carry in your pocket.

On the other hand using the Manual ranging multimeters the user will have to use the rotary switch to choose the desire scale and parameter.



**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 200mA  
AC 400mA



**KPS-MT460**  
Pen-Type Digital Multimeter with NCV

SKU	UPC	EAN 13
KPSMT460CBINT	810053670132	8435394747170

- Pen-Type Digital Multimeter.
- 2000 counts.
- DC/AC voltage, DC/AC current and resistance (20M $\Omega$ ) measurement.
- Non-contact voltage detector
- Diode test. Continuity Buzzer
- Logic level test.
- Maximun values.
- Data hold.
- Auto range, auto-off and low battery display
- CATIII 600V according to EN 61010.



**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 400mA  
AC 400mA



**KPS-MT10**  
Pocket size digital multimeter

SKU	UPC	EAN 13
KPSMT10CBINT	810053673546	8435394710235

- Pocket size digital multimeter.
- Display: 4000 counts
- Diode check and continuity buzzer
- DC/AC voltage, DC/AC current, resistance (40M $\Omega$ ), capacitance (100 $\mu$ F) and frequency (100kHz) measurement.
- Data hold.
- Auto range, auto-off and lo w battery display.
- CATIII 300V / CATII 600V according to EN 61010.



**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 10A

CAT III 600V  
CE  
RoHS  
ETL Intertek

**KPS-MT70**  
Pocket size digital multimeter

SKU	UPC	EAN 13
KPSMT70CBINT	810053673553	8435394774671

- Pocket size digital multimeter.
- Display: 6000 counts.
- DC/AC voltage, DC/AC current, resistance, capacitance and frequency measurement.
- Diode check and continuity buzzer.
- TRMS measurements.
- Non-contact voltage detection (NCV)
- Battery tester.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.
- CATIII 600V according to EN 61010.



**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 10A  
AC 10A

CAT III 600V  
CE  
RoHS  
ETL Intertek

**KPS-MT420**  
Digital multimeter

SKU	UPC	EAN 13
KPSMT420CBINT	810053673577	8435394747095

- Digital multimeter.
- Display: 2000 counts.
- DC/AC voltage, DC/AC current, resistance (20MΩ) and temperature (-20°C to 1000°C) measurement.
- Battery tester (1.5V/9V/12V).
- Diode check and continuity buzzer.
- Data hold.
- Auto-off, display and low battery display
- CATIII 600V according to EN 61010.



**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 10A

CAT III 600V  
CE  
RoHS  
ETL Intertek  
PATENTED

**KPS-MT30**  
Digital multimeter

SKU	UPC	EAN 13
KPSMT30CBINT	810053673560	8435394710228

- Digital multimeter.
- Display: 2000 counts
- DC/AC voltage, DC/AC current and resistance (2MΩ) measurement.
- Diode check and continuity buzzer
- Data hold.
- Low battery display
- CATIII 600V according to EN 61010.



**VOLTAGE** DC 1000V  
AC 750V

**CURRENT** DC 20A  
AC 20A

CAT III 600V  
CAT II 1000V  
RoHS

**KPS-MT425**  
Digital multimeter

SKU	UPC	EAN 13
KPSMT425CBINT	810053670019	8435394774688

- 20A digital multimeter.
- Display: 2000 counts.
- DC/AC voltage, DC/AC current, resistance and temperature measurement.
- Diode check and continuity buzzer
- Battery tester.
- Data hold.
- Auto-off and low battery display.
- CATIII 1000V / CATIII 600V according to EN 61010

## POCKET SIZE

## MANUAL RANGE


**KPS-MT460**

**KPS-MT10**

**KPS-MT70**

**KPS-MT30**

**KPS-MT420**

**KPS-MT425**

SKU	KPSMT460CBINT	KPSMT10CBINT	KPSMT70CBINT	KPSMT30CBINT	KPSMT420CBINT	KPSMT425CBINT
True RMS measurement	–	–	✓	–	–	–
Counts	2000	2000	6000	2000	2000	2000
Alternating voltage, up to	600V	600V	600V	600V	600V	750V
Direct voltage, up to	600V	600V	600V	600V	600V	1000V
Alternating current, up to	200mA	400mA	600mA	–	10A	20A
Direct current, up to	200mA	400mA	600mA	10A	10A	20A
Resistance, up to	20MΩ	40MΩ	60MΩ	2MΩ	20MΩ	20MΩ
Frequency, up to	–	100kHz	10kHz	–	–	–
Temperature, up to	–	–	–	–	1000°C	1000°C
Capacitance, up to	–	100μF	600μF	–	–	–
Continuity buzzer	✓	✓	✓	✓	✓	✓
Transistors test	–	–	–	–	–	–
Diode test	✓	✓	✓	✓	✓	✓
Battery test	–	–	✓	–	✓	✓
DWELL & TACH tests	–	–	–	–	–	–
Network cable check	–	–	–	–	–	–
Phone and tone check	–	–	–	–	–	–
Environmental measurements (RH, temperature, Sound, Luminosity)	–	–	–	–	–	–
Insulation measurement	–	–	–	–	–	–
Non-contact voltage detection	✓	–	✓	–	–	–
Low input impedance measurements	–	–	–	–	–	–
Data hold	✓	✓	✓	✓	✓	✓
Relative measurements	–	–	–	–	–	–
MAX/MIN values	MAX	–	–	–	–	–
Autoranging	✓	✓	✓	–	–	–
Auto off	✓	✓	✓	–	✓	✓
Backlight display	–	–	✓	–	–	–
Low battery display	✓	✓	✓	✓	✓	✓
PC connectivity	–	–	–	–	–	–
Data logging	–	–	–	–	–	–
Category according to EN61010	CATIII 600V	CATII 600V CATIII 300V	CATIII 600V	CATIII 600V	CATIII 600V	CATII 1000V CATIII 600V



# AUTOMATIC RANGE



The main advantage of using AUTO ranging multimeters is the simplicity. It is much easier for an average user to use auto ranging than the manual alternative.

Moreover All multimeters with this feature are capable of providing more accurate data considering the fact they will automatically adjust and choose the correct type of measurement and scale

Moreover using the SMART functionality when you are measuring resistance, voltage or anything else, the multimeter will automatically detect what you try to measure and show you the correct value. As a user, you don't have to adjust anything and the entire process will be completed automatically.



- VOLTAGE** DC 600V  
AC 600V
- CURRENT** DC 10A  
AC 10A



- VOLTAGE** DC 600V  
AC 600V
- CURRENT** DC 10A  
AC 10A



**KPS-MT440**  
Digital multimeter

SKU	UPC	EAN 13
KPSMT440600VCBINT	810053670040	8435394747101

- Digital multimeter.
- Display: 4000 counts.
- DC/AC voltage, DC/AC current, resistance (40MΩ), capacitance (100μF), frequency (5MHz), duty cycle and temperature measurement.
- Non-contact voltage detection (NCV).
- Diode check and continuity buzzer.
- Relative measurements.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.
- CATIV 600V according to EN 61010.

**KPS-MT470**  
Digital automotive multimeter

SKU	UPC	EAN 13
KPSMT470600VCBBINT	810053670033	8435394774695

- Digital multimeter with engine analyzer.
- Display: 2000 counts.
- DC/AC voltage, DC/AC current and resistance measurement.
- DWELL and TACH tests.
- Diode check and continuity buzzer.
- MAX values.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.
- CATIII 600V according to EN61010.



**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 10A



**KPS-MT490**  
Digital environmental multimeter

SKU	UPC	EAN 13
KPSMT490CBINT	810053670064	8435394774718

- Digital multimeter with environmental measurements: temperature, relative humidity, sound level and luminosity.
- Display: 4000 counts.
- DC/AC voltage, DC/AC current, resistance, capacitance and frequency measurement.
- Diode check and continuity buzzer.
- °C/°F selection.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.
- CATIII 600V according to EN61010.



**SMART**  
Automatically detects what you are measuring!

**VOLTAGE** DC 600V  
AC 600V



**KPS-MT900**  
SMART Digital multimeter

SKU	UPC	EAN 13
KPSMT900CBINT	810053670101	8435394747156

- Digital multimeter SMART.
- Display: 6000 counts.
- DC/AC voltage, resistance (10MΩ), duty cycle and frequency (3MHz) measurement.
- SMART function, detecting automatically the measured parameter.
- Continuity buzzer.
- Non-contact voltage detection (NCV).
- MAX/MIN values.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.
- CATIII 600V according to EN 61010.



**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 10A  
AC 10A



**KPS-MT50**  
Digital multimeter

SKU	UPC	EAN 13
KPSMT50600VCBBINT	810053670026	8435394710204

- Digital multimeter.
- Display: 4000 counts.
- DC/AC voltage, DC/AC current, resistance (40MΩ), capacitance (4000μF), frequency (10MHz), duty cycle and temperature (-20°C to 1000°C) measurement
- Non-contact voltage detection (NCV).
- Continuity buzzer and diode and transistor test.
- MAX/MIN values. Relative measurements.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.
- CATIII 600V according to EN 61010.



**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 10A  
AC 10A



**KPS-MT480**  
Digital multimeter with LAN tester

SKU	UPC	EAN 13
KPSMT480CBBINTFRIT	810053670057	8435394774701

- Digital multimeter with LAN and phone cable tester.
- Display: 2000 counts.
- DC/AC voltage, DC/AC current and resistance measurement.
- Diode check and continuity buzzer.
- Non-contact voltage detection (NCV).
- MAX values.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.
- CATIII 600V according to EN61010.

## AUTOMATIC RANGE


**KPS-MT440****KPS-MT50****KPS-M470****KPS-MT480****KPS-MT490****KPS-MT900**

SKU	KPSMT440600V CBINT	KPSMT50600V CBBINT	KPSMT470600V CBBINT	KPSMT480 CBBINTFRTT	KPSMT490CBINT	KPSMT900CBINT
True RMS measurement	–	–	–	–	–	–
Counts	4000	4000	2000	2000	4000	6000
Altern voltage, up to	600V	600V	600V	600V	600V	600V
Direct voltage, up to	600V	600V	600V	600V	600V	600V
Altern current, up to	10A	10A	10A	10A	10A	–
Direct current, up to	10A	10A	10A	10A	10A	–
Resistance, up to	40MΩ	40MΩ	20MΩ	20MΩ	40MΩ	10MΩ
Frequency, up to	5MHz	10MHz	–	–	200kHz	3kHz
Temperature, up to	–	1000°C	–	–	1000°C	–
Capacitance, up to	100μF	4000μF	–	–	100μF	–
Continuity buzzer	√	√	√	√	√	√
Transistors test	–	√	–	–	–	–
Diode test	√	√	√	√	√	–
Battery test	–	–	–	–	–	–
DWELL & TACH tests	–	–	√	–	–	–
Network cable check	–	–	–	√	–	–
Phone and tone check	–	–	–	√	–	–
Environmental measurements (RH, temperature, Sound, Luminosity)	–	–	–	–	√	–
Insulation measurement	–	–	–	–	–	–
Non–contact voltage detection	√	√	–	√	–	√
Low input impedance measurements	–	–	–	–	–	–
Data hold	√	√	√	√	√	√
Relative measurements	√	√	–	–	–	–
MAX/MIN values	–	√	MAX	MAX	–	√
Autoranging	√	√	√	√	√	√
Auto off	√	√	√	√	√	√
Backlight display	√	√	√	√	√	√
Low battery display	√	√	√	√	√	√
PC connectivity	–	–	–	–	–	–
Data logging	–	–	–	–	–	–
Category according to EN61010	CATIV 600V	CATIII 600V	CATIII 600V	CATIII 600V	CATIII 600V	CATIII 600V




# INDUSTRIAL TRMS MULTIMETERS

Multimeters for use in industrial applications have safety features (CATIV), accuracy and functionalities designed to measure standard and non-standard electrical signals, such as TRMS measurement, functions such as high frequency rejection (HFR) to filter electrical noise or low impedance mode (LoZ) to eliminate the effect of ghost voltages.

**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 10A  
AC 10A



**KPS-MT920**  
TRMS digital multimeter with communication via app

SKU	UPC	EAN 13
KPSMT920CBINT	810053670118	8435394747132

- TRMS digital multimeter with communication via app.
- Display: 4000 counts.
- DC/AC voltage, DC/AC current, resistance (40MΩ), capacitance (100μF), duty cycle and frequency (10MHz) measurement.
- True RMS measurements (TRMS).
- Non-contact voltage detection (NCV).
- Continuity buzzer, diode and transistors check
- Relative measurements.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.
- Wireless connection with app.
- CAT III 600V according to EN 61010.




**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 10A  
AC 10A



**KPS-MT940**  
TRMS digital multimeter with communication via app

SKU	UPC	EAN 13
KPSMT940CBINT	810053670125	8435394747149

- TRMS digital multimeter with communication via app.
- Display: 4000 counts.
- AC/DC voltage, AC/DC current, resistance (40MΩ) and temperature (-20°C to 1000°C) measurement.
- True RMS measurements (TRMS).
- Non-contact voltage detection (NCV).
- Diode check and continuity buzzer.
- Battery test (1.5V/9V).
- Data hold.
- Auto range, auto-off and low battery display.
- Wireless connection with app.
- CAT III 600V according to EN 61010.



**VOLTAGE** DC 1000V  
AC 1000V

**CURRENT** DC 10A  
AC 10A



**KPS-MT700**  
TRMS Digital multimeter with USB conn.

SKU	UPC	EAN 13
KPSMT700CBINT	810053670071	8435394747118

- Digital multimeter with USB connection.
- Display: 6600 counts.
- DC/AC voltage, DC/AC current, resistance (66MΩ), capacitance (66μF), duty cycle and frequency (66MHz) measurement.
- True RMS measurements (TRMS).
- Non-contact voltage detection (NCV).
- Diode check and continuity buzzer.
- MAX/MIN values. Relative measurements.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.
- PC connection via USB.
- CATIII 1000V / CATIV 600V according to EN 61010.



**VOLTAGE** DC 1000V  
AC 750V

**CURRENT** DC 400mA  
AC 400mA



**KPS-MT740**  
TRMS Digital multimeter + insulation

SKU	UPC	EAN 13
KPSMT740CBINT	810053670095	8435394747163

- Digital multimeter with insulation measurements up to 1kV.
- Display: 6600 counts.
- DC/AC voltage, DC/AC current, resistance (66MΩ), capacitance (66μF), frequency (66kHz) and temperature (-30°C a 1300°C) measurement
- True RMS measurements (TRMS).
- Insulation measurements with DAR / PI: (50V, 100V, 250V, 500V y 1000V).
- Non-contact voltage detection (NCV).
- Diode check and continuity buzzer.
- MAX/MIN values. Relative measurements.
- Low Pass Filter Function (1kHz).
- Data hold and data recording.
- Auto range, auto-off, display backlight and low battery display
- CATIII 1000V according to EN 61010.



**VOLTAGE** DC 1000V  
AC 1000V

**CURRENT** DC 10A  
AC 10A



**KPS-MT720**  
TRMS low impedance digital multimeter

SKU	UPC	EAN 13
KPSMT720CBINT	810053670088	8435394747125

- Digital multimeter TRMS.
- Display: 6600 counts.
- DC/AC voltage, DC/AC current, resistance (66MΩ), capacitance (66μF), temperature (0°C a 1000°C) and frequency (66MHz) measurement.
- True RMS measurements (TRMS).
- Non-contact voltage detection (NCV).
- Diode check and continuity buzzer.
- MAX/MIN values. Relative measurements.
- Low impedance input mode.
- Data hold.
- Auto range, auto-off, display backlight and low battery display
- CATIII 1000V / CATIV 600V according to EN 61010.



**VOLTAGE** DC 1000V  
AC 1000V

**CURRENT** DC 10A  
AC 10A



**DMM3000**  
AC/DC True RMS multimeter

SKU	UPC	EAN 13
KPSDMM3000CBINT	810053676936	8435394786421

- True RMS measurements
- 6000 counts
- 0.5% VDC accuracy
- 10A-1000V AC/DC measurements
- Resistance, Capacitance, Frequency measurements
- Low Impedance mode
- Non Contact Voltage Detection (Adjustable sensitivity)
- Hold
- Relative function
- CATIII 1000V / CATIV 600V according to EN 61010.

## INDUSTRIAL TRMS MULTIMETERS


**KPS-MT920**
**KPS-MT940**
**KPS-MT700**
**KPS-MT720**
**KPS-MT740**
**DMM3000**

SKU	KPSMT920CBINT	KPSMT940CBINT	KPSMT700CBINT	KPSMT720CBINT	KPSMT740CBINT	KPSDMM3000CBINT
True RMS measurement	√	√	√	√	√	√
Counts	4000	4000	6600	6600	6600	6000
Altern voltage, up to	600V	600V	1000V	1000V	750V	10A
Direct voltage, up to	600V	600V	1000V	1000V	1000V	10A
Altern current, up to	10A	10A	10A	10A	400mA	1000V
Direct current, up to	10A	10A	10A	10A	400mA	1000V
Resistance, up to	40MΩ	40MΩ	66MΩ	66MΩ	66MΩ	40MΩ
Frequency, up to	10MHz	–	66MHz	66MHz	66kHz	100kHz
Temperature, up to	–	1000°C	–	1000°C	1300°C	–
Capacitance, up to	100mF	–	66mF	66mF	66mF	10mF
Continuity buzzer	√	√	√	√	√	√
Transistors test	√	–	–	–	–	–
Diode test	√	√	√	√	√	√
Battery test	–	√	–	–	–	–
Network cable check	–	–	–	–	–	–
Phone and tone check	–	–	–	–	–	–
Environmental measurements (RH, temperature, Sound, Luminosity)	–	–	–	–	–	–
Insulation measurement	–	–	–	–	50–1000V	–
Non-contact voltage detection	√	√	√	√	–	–
Low input impedance measurements	–	–	–	√	–	√
Low Pass Filter	–	–	–	–	–	–
Data hold	√	√	√	√	√	√
Relative measurements	√	–	√	√	√	√
MAX/MIN values	–	–	√	√	√	√
Autoranging	√	√	√	√	√	√
Auto off	√	√	√	√	√	√
Backlight display	√	–	√	√	√	√
Low battery display	√	√	√	√	√	√
PC connectivity	BT	BT	USB	–	–	–
Data logging	–	–	–	–	√	–
Category according to EN61010	CATIII 600V	CATIII 600V	CATIII 1000V CATIV 600V	CATIII 1000V CATIV 600V	CATIII 1000V	CATIV 600V CATIII 1000V



# MULTIMETERS FOR SPECIAL APPLICATIONS

Among the different models of multimeters, KPS has developed some advanced models for special applications such as:

- DMM3500BT (HVAC multimeter)
- DMM4500PV (Solar Multimeter)
- DMM9000BT (High precision Multimeter)

Check the features and choose your perfect solution.

**NEW**



**VOLTAGE** DC 1000V  
AC 1000V

**CURRENT** DC 10A  
AC 10A



**DMM3500BT**  
HVAC digital multimeter

SKU	UPC	EAN 13
KPSDMM3500BTCBINT	810053676899	8435394786384

- Specific functionalities such as Temperature measurement through type K thermocouple, or DC microamps and inrush current make the model DMM3500BT the right tool for troubleshoot and maintain HVAC equipment
- True RMS measurements
- 6000 counts
- 400mA AC/DC measurement
- Capacitance, Temperature, Frequency, Micro Ampere measurements ((4000uAmps)
- High Frequency rejection
- Low Impedance mode
- Non Contact Voltage Detection
- Data logging/Manual save up to 4000 records
- MIN/MAX values
- Relative function
- Bluetooth Connectivity
- CATIII 1000V / CATIV 600V according to EN 61010.

**NEW**



**VOLTAGE** DC 1000V  
AC 1000V

**CURRENT** DC 10A  
AC 10A



**DMM9000BT**  
High precision True RMS Logging Multimeter

SKU	UPC	EAN 13
KPSDMM9000BTCBINT	810053676646	8435394784731

- True RMS reading on AC and AC+DC mode
- 40,000 count digital display and 43 segment analog display
- Large white LED backlight display
- Auto Backlight, Dual display
- AC,DC and AC+DC autodetection
- 0.03% DCV accuracy
- Auto Store up to 1,000 registers
- Data Logging up to 40,000 records
- LoZ for prevent false reading from ghost voltage
- Auto Fuse Detector
- On-Screen-Menu Selection
- High Frequency Rejection
- Min/Max/Avg
- Relative/% Function
- Auto Hold/Peak Hold
- Continuity Check/Beeper
- Bluetooth connectivity and optical USB interface
- Includes magnetic holder
- CATIII 1000V / CATIV 600V according to EN 61010.

**COMING SOON**



**VOLTAGE** DC 2000V  
AC 1500V

**CURRENT** DC 10A  
AC 10A



**DMM4500PV**  
Bluetooth DMM

SKU	UPC	EAN 13
KPSDMM4500PVCBINT	810053676639	8435394784724

- Suitable for Industrial or Solar applications
- True RMS measurements
- 6000 counts
- 10A AC/DC measurement
- Capacitance, Temperature, Frequency
- High Frequency rejection
- Non Contact Voltage Detection
- Data logging/Manual save up to 4000 records
- MIN/MAX values
- Relative function
- Bluetooth Connectivity
- CATIII 1000V / CATIV 600V according to EN 61010.

## HVAC

NEW



DMM3500BT

## HIGH PREC.

NEW



DMM9000BT

## PV

 COMING  
SOON


DMM4500PV

SKU	KPSDMM3500BTCBINT	KPSDMM9000BTCBINT	KPSDMM4500PVCBINT
True RMS measurement	√	√	√
Counts	6000	40000	6000
Alternating current, up to	10A	10A	10A
Direct current, up to	10A	10A	10A
Alternating voltage, up to	1000V	1000V	1500V
Direct voltage, up to	1000V	1000V	2000V
AC+DC Voltage	–	√	–
Resistance, up to	40MΩ	40MΩ	40MΩ
Frequency, up to	100kHz	100kHz	100kHz
Temperature, up to	400°C	1200°C	400°C
Capacitance, up to	10μF	40mF	10μF
Continuity buzzer	√	√	√
Transistors test	–	–	–
Diode test	√	√	√
Battery test	–	–	–
Network cable check	–	–	–
Phone and tone check	–	–	–
Environmental measurements (RH, temperature, Sound, Luminosity)	–	–	–
Insulation measurement	–	–	–
Non-contact voltage detection	√	√	√
Low input impedance measurements	√	√	√
Low Pass Filter	√	√	√
Data hold	√	√	√
Relative measurements	√	√	√
MAX/MIN values	√	√	√
Autoranging	√	–	√
Auto off	√	–	√
Backlight display	√	√	√
Low battery display	√	√	√
PC connectivity	BT	BT and USB	BT
Data logging	√	√	√
Category according to EN61010	CATIV 600V CATIII 1000V	CATIV 600V CATIII 1000V	CATIV 600V CATIII 1000V





## VOLTAGE TESTERS

The Voltage tester is an essential tool to ensure your safety and detects whether or not voltage is present.

The new KPS voltage testers are designed to ensure a safe testing as they are in compliance with the international standard IEC/EN61243-3, allowing at the same time to test the voltage on a socket with single hand and no button operation. Safe and quick.



### KPS-DT10 Voltage detector up to 1.000V

SKU	UPC	EAN 13
KPSDT10CBINT	810053670255	8435394710310

- Non-contact voltage detection.
- Voltage sensibility: 90-1000 V AC.
- Frequency: 50/60 Hz.
- Acoustic and luminous indication by LEDs.
- CATII 1000V according to EN61010.



### KPS-DT100 Voltage tester up to 1.000V

SKU	UPC	EAN 13
KPSDT100CBINT	810053670262	8435394747255

- Non-contact voltage detection.
- Voltage sensibility: 90-1000 V AC.
- Frequency: 50/60 Hz.
- Acoustic and luminous indication by LEDs.
- CATII 1000V, CATIII 600V according to EN 61010.

### KPS-DT120 Voltage detector up to 1.000V (adjustable)

SKU	UPC	EAN 13
KPSDT120CBINT	810053670286	8435394747262

- Non-contact voltage detection.
- Voltage sensibility: 12-1000 VAC.
- Frequency: 50/500 Hz.
- Acoustic and luminous indication by LEDs.
- Auto/manual Voltage sensitivity adjustment
- Auto off.
- CATII 1000V / CATIII 600V according to EN61010.



**KPS-DT20**  
Voltage and continuity detector

SKU	UPC	EAN 13
KPSDT20CBINT	810053670286	8435394710273

- AC/DC voltage detection: 6V, 12V, 24V, 50V, 110V, 220V, 380V.
- Determination of polarity.
- LED indication.



**KPS-DT220**  
Voltage detector and RCD test

SKU	UPC	EAN 13
KPSDT220CBINT	810053670309	8435394747286

- AC / DC voltage detection: 12V, 24V, 50V, 120V, 230V, 400V.
- Determination of polarity.
- LED indication
- Differential trip test.
- CAT III 400V according to EN 61010.



**KPS-DT200**  
Voltage tester

SKU	UPC	EAN 13
KPSDT200CBINT	810053670293	8435394747279

- AC / DC voltage detection: 12V, 24V, 50V, 120V, 230V, 400V.
- Determination of polarity.
- LED indication.
- CATIII 400V according to EN 61010.

LIFETIME TECHNICAL SUPPORT

5 YEARS LIMITED WARRANTY

REPAIRING SERVICES

CALIBRATION SERVICES

www.kps-intl.com



**VOLTAGE**  
12-750V AC/DC

CAT IV 600V  
CAT III 1000V

CE  
UK  
CA  
ETL Intertek

IP 65

**TP3000LED**  
Voltage Tester

SKU	UPC	EAN 13
KPSTP3000LEDCBINT	810053676868	8435394786261

- 2 pole tester with LED indication
- Single pole test for phase detection
- Rotary field indication
- Continuity beeper
- Ultra Bright white LED torch
- Integrated single pole test for phase detection
- IP65 for outdoor applications



**VOLTAGE**  
12-750V AC/DC

CAT IV 600V  
CAT III 1000V

CE  
UK  
CA  
ETL Intertek

IP 65

**TP3500LCD**  
Voltage Tester

SKU	UPC	EAN 13
KPSTP3500LCDCBINT	810053676905	8435394786414

- 2000 counts digital display
- Dual display for V AC measuring with frequency
- Frequency and Resistance measurements
- Single pole test for phase detection
- Rotary field indication
- Continuity beeper
- Ultra Bright white LED torch
- Integrated single pole test for phase detection
- IP65 for outdoor applications

**NEW**



**VOLTAGE**  
7-1000V DC  
6-1000V AC

**CURRENT**  
200A AC

CAT IV 600V  
CAT III 1000V

CE  
UK  
CA  
ETL Intertek

IP 65

**TP5000HY**  
True RMS Electrical Tester

SKU	UPC	EAN 13
KPSTP5000HYCBINT	810053676653	8435394784748

- TP5000HY combines several voltage tester functions such as phase sequence test, single-pole phase test, continuity or polarity test, together with the capability to measure AC/DC voltage up to 1000V and AC current up to 200A
- True RMS on ACV/ACA
- 9999 Count digital display
- Bright LED Bargraph & White LED Auto backlight display
- AC 200A Measurement
- 50K Ohms Resistance capability
- Phase Rotation Indication
- Input Peak Current: Is < 3.5mA @ 1000V
- Up to 16mm dia. Conductor AWG 4/0 wire
- 39mm Width Jaw size easy to use at inaccessible spaces
- Auto Polarity Detection
- Single Pole test
- Measure voltage without battery with LED bar and LCD display
- Auto Power On/Off
- Data Hold
- Torch
- IP65 Rating

**FOLLOW US!**

[www.kps-intl.com](http://www.kps-intl.com)

3 YEARS LIMITED WARRANTY

## NON CONTACT VOLTAGE DETECTORS



	KPS-DT10	KPS-DT100	KPS-DT120
SKU	KPSDT10CBINT	KPSDT100CBINT	KPSDT120CBINT
Non-contact voltage detection	90–1000 VAC	90–1000 VAC	12–1000 VAC
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Acoustic indication	✓	✓	✓
Visual indication (LEDs)	✓	✓	✓
Sensitivity adjustment	–	–	✓
Safety rating according to EN61010	CAT II 1000V	CAT II 1000V; CAT III 600V	CAT II 1000V; CAT III 600V

## TWO POLE VOLTAGE TESTERS



	KPS-DT20	KPS-DT200	KPS-DT220	TP3000LED	TP3500LCD	TP5000HY
SKU	KPSDT20CBINT	KPSDT200CBINT	KPSDT220CBINT	KPSTP3000LEDCBINT	KPSTP3500LCDCBINT	KPSTP5000HYCBINT
True RMS measurements	–	–	–	–	–	✓
LED bar indicator	AC/DC: 6V, 12V, 24V, 50V, 110V, 220V, 380V	AC/DC: 6V, 12V, 24V, 50V, 120V, 230V, 400V	AC/DC: 6V, 12V, 24V, 50V, 120V, 230V, 400V	AC/DC: 12V, 24V, 50V, 120V, 230V, 400V, 750V	AC/DC: 12V, 24V, 50V, 120V, 230V, 400V, 750V	AC/DC: 24V, 50V, 120V, 230V, 400V, 690V, 1000V
Polarity	✓	✓	✓	✓	✓	✓
AC Voltage	–	–	–	–	750V	999,9V
DC Voltage	–	–	–	–	750V	999,9V
AC Current	–	–	–	–	–	200A
Resistance	–	–	–	–	2kΩ	50kΩ
Continuity Test	–	–	–	✓	✓	✓
Diode Test	–	–	–	✓	✓	–
RCD Test	–	–	✓	–	–	–
Sequence of Phases	–	–	–	✓	✓	✓
Counts	–	–	–	–	2000	10000
Buzzer	–	–	–	✓	✓	✓
Light Indicator	✓	✓	✓	✓	✓	✓
Hold	–	–	–	–	–	✓
Auto Range	–	–	–	–	–	✓
Jaw capability	–	–	–	–	–	16 mm
Auto Power Off	–	–	–	–	✓	✓
Low Battery Indicator	–	–	–	–	✓	✓
Torch	–	–	–	✓	✓	✓
Safety rating according to EN61010	–	CAT III 400V	CAT III 400V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V



## CIRCUIT TESTERS

KPS circuit testers allow are designed to check the right connection of wiring on different type of systems such as data networks, telephone lines or electrical circuits.

On the other hand the cable trackers allows the tracing of hidden wires or pipes to identify the location and possible breaks or shortcircuits.



**KPS-CC600**  
BNC/RJ Network cable tester

SKU	UPC	EAN 13
KPSCC600CBINT	810053670361	8435394747347

- Coaxial Cable (BNC) and Twisted-wire-pour cable (RJ45) tester
- Testing Cable shield Integrity
- Max. Distance Of Cable: 200m



**KPS-CC620**  
RJ Network cable tester

SKU	UPC	EAN 13
KPSCC620CBINT	810053670378	8435394747354

- Twisted-wire-pour cable (RJ45) tester
- Testing Cable shield Integrity
- Max. Distance Of Cable: 200m
- Low battery display



**KPS-CC640**  
Cable tracker

SKU	UPC	EAN 13
KPSCC640CBINT	810053670385	8435394747361

- Cable tracker and phone line tester
- Judge Continuity of cable and diagnose the break point
- Receive tone signals on cable or wires
- Identify the state in working telephone lines (Clear, Ringing, Busy)
- Send single solid or dual alerts tones to cables or wires



**KPS-CC800**  
Socket tester

SKU	UPC	EAN 13
KPSCC800CBINT	-	8435394747392
KPSCC800USCBINT	810053670392	8435394776415
KPSCC800UKCBINT	810053673591	8435394787985

- LED indication of the socket's wiring:
  - Correct.
  - Missing earth.
  - Live-earth reverse
  - Live-neutral reverse
  - Missing neutral.
- Quickly and easily identify the breaker connected to a specific socket.
- Acoustic and LED indication.
- Pegs with different formats and voltages available.
- CAT II 230V according to EN 61010.



**KPS-CC820**  
Circuit breaker finder (transmitter-socket tester)

SKU	UPC	EAN 13
KPSCC820CBINT	-	8435394747385
KPSCC820USCBINT	810053670415	8435394776439
KPSCC820UKCBINT	-	810053673607

- LED indication of the socket's wiring:
  - Correct.
  - Missing earth.
  - Live-earth reverse
  - Live-neutral reverse
  - Missing neutral.
- Quickly and easily identify the breaker connected to a specific socket.
- Acoustic and LED indication.
- Pegs with different formats and voltages available.
- CAT II 600V according to EN 61010.



**KPS-CC840**  
Advanced wire tracker

SKU	UPC	EAN 13
KPSCC840CBINT	810053670422	8435394747378

- Find the Breaks or Shorts in Cable in the wall or under the floor.
- Track Cables in the wall or ground.
- Find the Fuse and Safeguard.
- Track a Metal Conduit in the Project of ware or hot.
- Sensitivity of Receiver can be Selected.
- Auto Ranging, Auto Power Off, Backlight and Worklight.
- CAT III 300V according to EN 61010.

## CIRCUIT TESTERS



KPS-CC600



KPS-CC620



KPS-CC640



KPS-CC840



KPS-CC800



KPS-CC820

SKU	KPSCC600CBINT	KPSCC620CBINT	KPSCC640CBINT	KPSCC840CBINT	KPSCC800CBINT	KPSCC820CBINT
RJ45	√	√	–	–	–	–
BNC	√	–	–	–	–	–
Sockets wiring check	–	–	–	–	√	√
Wires tracking	–	–	√	√	–	–
Metallic conduits tracking	–	–	–	√	–	–
Identification of wiring failures	–	√	–	–	√	√
Break points identification	–	–	√	√	–	–
Telephone lines checking	–	–	√	–	–	–
Tone generator	–	–	√	–	–	–
Breaker finder	–	–	–	√	–	√
Checking of wiring integrity	√	√	–	–	–	–
Max Cable Lenght	200 m	200 m	–	–	–	–
Capability to check live circuits	–	–	–	√	√	√
Adjustable sensitivity	–	–	–	√	–	–
Auto range	–	–	–	√	–	–
Auto Power Off	–	–	–	√	–	–
Backlight	–	–	–	√	–	–
Low Battery Indicator	–	√	–	–	–	√
Safety rating according to EN61010	–	–	–	CAT III 300V	CAT II 230V	CAT II 600V



## LCR TESTERS

These testers are specific instruments for the measurement of SMD components on electronic boards, making them an ideal tool for laboratories and repair services.

They have gold-plated clamps that allow you to easily and accurately check components such as resistances, capacitors or coils.



RESISTANCE 30MΩ    CAPACITANCE 30mF    CE    RoHS

### KPS-SMD500. Smart LCR Meter

SKU	UPC	EAN 13
KPSSMD500CBINT	810053670439	8435394747408

- SMD (surface Mount Device) tester parameters
- Display: 3000 counts
- Resistance and capacitance measurement
- Auto scanning of measured
- Diode check and continuity buzzer
- Data hold
- Auto range, auto-off and low battery display



INDUCTANCE 200 H    RESISTANCE 20MΩ    CAPACITANCE 6mF    CE    RoHS

### KPS-SMD520. Smart LCR Meter

SKU	UPC	EAN 13
KPSSMD520CBINT	810053670446	8435394747415

- SMD (surface Mount Device) tester parameters
- Display Counts: 6000
- Resistance and capacitance measurement
- Auto scanning of measured
- Data Hold
- Auto range, auto-off and low battery display



INDUCTANCE 2 H    CAPACITANCE 200μF    CE    RoHS

### KPS-SMD600 Digital LCR Meter

SKU	UPC	EAN 13
KPSSMD600CBINT	810053670453	8435394747422

- Multimeter-type SMD (surface Mount Device) tester
- LCD Display: 2000 counts
- Capacitance and inductance measurement
- Low Battery Display



# LCR TESTERS



**KPS-SMD500**



**KPS-SMD520**



**KPS-SMD600**

SKU	KPSSMD500CBINT	KPSSMD520CBINT	KPSSMD600CBINT
Counts	3000	6000	2000
Resistance	30MΩ	20MΩ	-
Capacitance	30mF	6mF	200μF
Inductance	-	200H	2H
Continuity Buzzer	✓	-	-
Diode Test	✓	-	-
SMART Technology	✓	✓	-
Hold	✓	✓	-
Auto Range	✓	✓	-
Auto Power Off	✓	✓	-
Low Battery Indicator	✓	✓	✓

NEW RANGE FOR PROFESSIONALS  
DCM CLAMP METERS

Made in Europe



## ENVIRONMENTAL METERS

To check the environmental quality in interior areas such as offices, it is necessary to monitor a series of aspects that affect the health, comfort and performance of the occupants.

Parameters such as air speed and flow, sound level, lighting or the concentration of certain gases can be controlled with the KPS range of environmental meters.



**KPS-AN10**  
Digital Anemometer

SKU	UPC	EAN 13
KPSAN10CBINT	810053670460	8435394710372

- Digital Anemometer
- Display: 9999 counts
- Air velocity: m/sc, f/min, km/h, miles/h, knots
- Air flow: cf/min, m3/min, m3/sc
- Air velocity and air flow measurement
- MAX/MIN values
- Data hold
- Auto-off display backlight and low battery display



RESOLUTION

50 ppm

ALARM

10% ~ 40%



**KPS-DG100**  
Combustible gas detector

SKU	Article	EAN 13
KPSDG100CBINT	810053670477	8435394747439

- Combustible gas detector
- Gas Detected: Natural gas, Methane, Ethane, Propane, Butane, Acetone, Alcohol, Ammonia, Steam, Carbon Monoxide, Gasoline, Jet fuel, Hydrogen Solvents, Lacquer thinner, Naphtha
- High resolution: 50ppm
- Alarm range: 10%~40%
- Response tiime (40% LEL) <2 Seconds



- CD MEASURE  
999900
- LUX MEASURE  
200000
- FC MEASURE  
20000



**KPS-LX30LED**  
Digital light meter

SKU	UPC	EAN 13
KPSLX30LEDGBINT	810053670491	8435394739267

- High accuracy digital light meter.
- Display: 2000 counts.
- Switch between different lighting sources (LED included).
- Fc/Lux/CD unit selection.
- Data hold.
- Auto-off and low battery display.



- FREQUENCY  
31.5Khz~8Khz
- SOUND MEASURE  
30dB ~ 130dB



**KPS-SN10**  
Digital sound level meter

SKU	UPC	EAN 13
KPSSN10GBINT	810053670507	8435394710365

- Class II digital sound level meter according to IEC 651.
- Display: 2,000 counts.
- Sample rate: 2 times per second.
- A/C weighting selection.
- MAX values.
- FAST/SLOW selection.
- Data hold.
- Auto range, auto-off, display backlight and low battery display.



- LUX MEASURE  
0-50000 LUX
- 

**KPS-LX10**  
Digital light meter

SKU	UPC	EAN 13
KPSLX10GBINT	810053670484	8435394710341

- Digital light meter for illuminance measurement (LUX)
- Display: 2000 counts.
- Probe connected to measuring equipment using extensible cable.
- Measuring ranges: 2000 Lux, 20000 Lux, 50000 Lux
- Data hold.
- Low battery display.

## ENVIRONMENTAL METERS



KPS-SN10



KPS-AN10



KPS-DG100



KPS-LX10



KPS-LX30LED

SKU	KPSSN10CBINT	KPSAN10CBINT	KPSDG100CBINT	KPSLX10CBINT	KPSLX30LEDCBINT
Counts	2000	9999		2000	2000
Sound Level	30–130 dB	–	–	–	–
Air Flow Speed	–	0,80–40 m/s 2,88–144 km/h 2,62–131,20 ft/s 1,6–77,7 knots 1,8–90 m/h 157,5–7874 ft/min	–	–	–
Light Level	–	–	–	50000 Lux	200000 Lux 20000 FC 999900 CD
Class 2 According with IEC 651	√	–	–	–	–
Weighting selection	A/C	–	–	–	–
Time integration	FAST/SLOW	–	–	–	–
Adjustment of flow area	–	√		–	–
Resolution (p.p.m.)	–	–	50 ppm	–	–
Alarm threshold	–	–	10%–40%	–	–
Measurements on LED sources	–	–	–	–	√
Hold	√	√	–	√	√
Relative measurements	–	–	–	–	√
MAX/MIN	√/–	√/√	–	–	√/√
Autocalibration	–	–	–	–	√
Auto Range	√	√	–	–	√
Auto Power Off	√	√	–	–	√
Backlight	√	√	–	–	–
Low Battery Indicator	√	√	–	√	√



## THERMOMETERS

Temperature is a parameter that allows us to verify the correct operation of a component. Hence, temperature measurement is very useful in various applications such as electrical installations, to check overloads or overheating of the elements of a circuit, or in construction, to detect thermal bridges.

With KPS models, measurements can be made contactless using the infrared technology or through thermocouples in contact with the surface of the tested object.



REL. HUMIDITY

10% ~ 90%

IR TEMP

-20°C~500°C



**KPS-TM500**  
Non-contact infrared thermometer

SKU	UPC	EAN 13
KPSTM500CBINT	810053670514	8435394774749

- Non-contact infrared thermometer.
- Laser target pointer
- Emissivity: 0,95.
- D-S ratio=10:1
- Indication in degrees: Celsius or Fahrenheit.
- Data hold
- MAX/MIN/AVG values
- Display backlight. Low battery display.
- Tested and certified according to IEC/EN 61326.



IR TEMP

-40°C~800°C

K TEMP

-40°C~1080°C



**KPS-TM800**  
Non-contact infrared thermometer

SKU	UPC	EAN 13
KPSTM800CBINT	810053670521	8435394774746

- Non-contact infrared thermometer up to 800°C
- Class II laser tester pointer
- IRT and K-type temperatura measurement
- Adjustable emissivity: 0.10~1.0
- D:S ratio: 12:1
- Indication in degrees: Celsius or Farenheit
- MAX/MIN/AVG/DIF values
- Auto-off, display backlight and low battery display



**TYPE**  
K, J, T, E

**CHANNELS**  
T1

**KPS-TM300**  
Digital thermometer 1 channel

SKU	UPC	EAN 13
KPSTM300CBINT	810053670538	8435394747453

- 1-channel Digital thermometer.
- Suitable for various thermocouples, such as J, K, T, E.
- Temperature in °C, °F and K (Kelvin).
- MAX/MIN/AVG values.
- Thermocouple deviation compensation.
- Data hold.
- Auto-off (adjustable power-off time) and low battery display.



**TYPE**  
K, J, T, E, R, S, N

**CHANNELS**  
T1/T2/T1-T2

**KPS-TM340**  
Digital thermometer 2 channels with data logging

SKU	UPC	EAN 13
KPSTM340CBINT	810053670552	8435394747477

- 2-channel Digital thermometer.
- Suitable for various thermocouples, such as J, K, T, E.
- Temperature in °C, °F and K (Kelvin).
- 2-channel measurement and difference measurement.
- Thermocouple deviation compensation.
- MAX/MIN/AVG values.
- USB communication.
- Data hold and date register.
- Auto-off (adjustable power-off time) and low battery display.



**TYPE**  
K, J, T, E

**CHANNELS**  
T1/T2/T1-T2

**KPS-TM320**  
Digital thermometer 2 channels

SKU	UPC	EAN 13
KPSTM320CBINT	810053670545	8435394747460

- 2-channel Digital thermometer.
- Suitable for various thermocouples, such as J, K, T, E.
- Temperature in °C, °F and K (Kelvin).
- 2-channel measurement and difference measurement.
- MAX/MIN/AVG values.
- Thermocouple deviation compensation.
- Data Hold.
- Auto-off (adjustable power-off time) and low battery display.

# FOLLOW US!

[www.kps-intl.com](http://www.kps-intl.com)

## THERMOMETERS

## CONTACTLESS

## CONTACT



KPS-TM500



KPS-TM800



KPS-TM300



KPS-TM320



KPS-TM340

SKU	KPSTM500CBINT	KPSTM800CBINT	KPSTM300CBINT	KPSTM320CBINT	KPSTM340CBINT
IR measurement	√	√	–	–	–
Measurement through Thermocouple	–	√	√	√	√
Temperature range	500°C	800°C (IRT) 1080°C (Thermocouple)	1372°C	1372°C	1372°C
Emissivity	0,95	Adjustable (0,1 to 1,0)	–	–	–
°C,°F Temperatures	√	√	√	√	√
°K Temperature	–	–	√	√	√
Laser pointer	√	√	–	–	–
D:S	10:1	12:1	–	–	–
Channels	1	2	1	2	2
Hold	√	√	√	√	√
MAX/MIN/AVG	√	√	√	√	√
Relative measurements	–	√	–	√	√
Autocalibration	–	–	√	√	√
Auto Range	√	√	√	√	√
Auto Power Off	–	√	√	√	√
Backlight	√	√	–	–	–
Low Battery Indicator	√	√	√	√	√
Datalogging	–	√	–	–	√
PC communication	–	–	–	–	USB



## INDUSTRIAL METERS

In industrial environments, with the presence of motors and machines, instruments that allow the verification of the phase sequence, angular and linear speeds or loop resistance at specific points of the installation are very useful.

Along with them, a line separator will facilitate the task of measuring the consumption of the different loads.



**KPS-TC10**  
Contact-type digital tachometer

SKU	UPC	EAN 13
KPSTC10CBINT	810053670569	8435394710402

- Contact-type digital tachometer.
- Measurement of angular speed from 50 to 20.000 RPM.
- Measurement of lineal speed: m/min, m/sc, feet/min, feet/sc, inch/ min.
- MAX/MIN/AVG values.
- Data hold and data register.
- Auto-off, display backlight and low battery display.
- Different idle wheels and touch tips are included.



**KPS-TC20**  
Non-contact-type digital tachometer

SKU	UPC	EAN 13
KPSTC20CBINT	810053670576	8435394710419

- Non-contact-type digital tachometer.
- Measurement of angular speed from 50 to 100.000 RPM.
- Measurement distance: 50 to 250mm.
- MAX/MIN values.
- Data hold and data register.
- Auto-off, display backlight and low battery display.





### KPS-CF100 Motor and phase rotation indicator

SKU	UPC	EAN 13
KPSCF100CBINT	810053670590	8435394747491

- Phase sequence indicator in three-phase systems.
- Motor rotation tester.
- Non-contact rotary field indication.
- LED indication.
- Built-in test leads.
- CATIII 600V according to EN 61010.

## INDUSTRIAL METERS



**KPS-TC10**



**KPS-TC20**



**KPS-CF100**

SKU	KPSTC10CBINT	KPSTC20CBINT	KPSCF100CBINT
Angular speed	50–19999 RPM	50–99999 RPM	–
Linear speed	√	–	–
Distance to object	Contact	50–250 mm	–
Hold	√	√	–
MAX/MIN	√	√	–
Auto Range	√	√	–
Auto Power Off	√	√	–
Backlight	√	√	–
Low Battery Indicator	√	√	–
Datalogging	√	√	–
Sequence of phases	–	–	√
Identification of wrong wiring	–	–	√
Motor rotation tester	–	–	√
Rotary field indication	–	–	√
Safety rating according to EN61010	–	–	CAT III 600V



## CABLES, TEST LEADS & THERMOCOUPLES

This wide selection of accessories allows replacement of those included with the instruments due to deterioration or loss of the instruments.

Different versions of the cables, the tips or the thermocouples can be chosen according to the needs of the user.

### TEST CABLES



SKU	KPSPT15PEINT	KPSPT20PEINT	KPSPT30CSINT	KPSCP300PEINT	KPSCP400CSINT	KPSCP420PEINT	KPSCP500CBINT
Test cables (black and red)	√	√	√	√	√	–	–
Test leads for Insulation Test up to 10kV	–	–	–	–	–	√	–
Earth resistance test leads and cables	–	–	–	–	–	–	√
Test leads (black and red)	√	√	√	–	√	–	–
Cocodrile clips (black and red)	–	–	√	–	–	–	–
Built-in replaceable fuses	–	–	–	–	√	–	–
Cable length	800 mm	1000 mm	1000 mm	1000 mm	1500 mm	2700 mm	30 m / 20 m / 5 m
Max current	10A	10A	10A	10A	10A	2mA	2A
Safety rating according to EN61010	CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V CAT II 1000V	CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 10k Vdc	CAT III 600V

### COCODRILES & TEST LEADS



SKU	KPSPT100PEINT	KPSPT120PEINT	KPSPT200PEINT
Test cables (black and red)	–	–	√
Cocodrile clips (black and red)	√	√	–
Length	54 mm	65 mm	185 mm
Max current	10A	10A	5A
Safety rating according to EN61010	CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V

### THERMOCOUPLES



SKU	KPSTP100PEINT	KPSTP120PEINT	KPSTP300PEINT	KPSTP320PEINT
Connector type	Banana	Banana	Plug	Plug
Probe type	Thermocouple	Rod	Thermocouple	Rod
Temperature range	–40°C–260°C	–40°C–600°C	–40°C–260°C	–40°C–600°C
Cables length	1000 mm	1000 mm	1000 mm	1000 mm



# NEW MEASURING INSTRUMENTS FOR PROFESSIONALS

- ACCURACY
- INNOVATION
- VERSATILITY
- SAFETY





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