



KPM's Clamp Earth & Spike Tester (KPM-CEST1800)

The KPM CEST 1800 is a Clamp Earth & Spike Tester designed to measure ground resistance using various methods. Featuring a 2.4-inch high-quality color display, it offers multiple functionalities, including clamp resistance, three or four-wire resistance, AC voltage, and current measurements. The device also includes data storage, retrieval, alarms, and automatic shutdown. With its sleek and sophisticated design, the KPM CEST 1800 is user-friendly, portable, accurate, and reliable, boasting stable performance and strong anti-interference capabilities. It is also built to be shock-proof, dust-proof, and moisture-proof. This instrument is indispensable for a wide range of industries, including telecommunications, electric power, meteorology, computer rooms, oil fields,

electromechanical installation and maintenance, and any industrial enterprise relying on electrical power. It is ideal for measuring the grounding resistance of various systems, such as telecommunications networks, power grids, meteorological equipment, computer rooms, oil fields, transmission lines, gas stations, factory grounding grids, and lightning rods.

The KPM CEST 1800 is microprocessor-controlled, ensuring precise ground resistance detection. It employs advanced filtering technology to reduce interference and also features data storage and upload capabilities.

- **Clamp Earth Resistance Method**
- **3 & 4 Wire Earth Resistance Method**
- **AC Voltage Measurement**
- **AC Leakage Current Measurement**





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Technical Specifications:

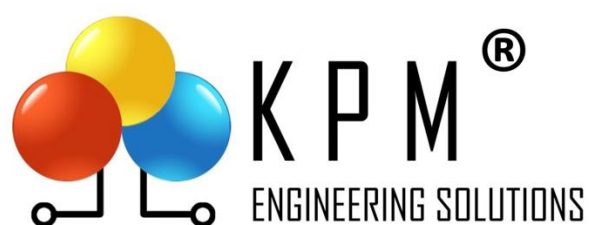
Function	Ground resistance test, loop resistance test, AC current test, AC voltage test
Accuracy guaranteed temperature and humidity	23°C±5°C, below 75%rh
Power Supply	DC 3.7 V lithium battery
Resistance resolution	0.01Ω
Current resolution	0.001mA
Voltage resolution	0.01V
Clamp Size	68mm
Display	2.4 inch color LCD screen
LCD Size	46mm×29mm
Meter Dimension	273mm×106mm×53mm
measure time	1 time/sec
USB	With USB interface, uploaded the data to the computer, saved and printed
Communication line	USB communication line 1
Data storage	Maximum 100 groups of data, display "FULL" symbol to indicate that the storage is full
Overflow display	"OL" symbol indication when over-range overflow
Alarm function	When the measured value exceeds the alarm set value, an alarm will be issued
battery voltage	Real-time display of battery power, reminding to charge in time when battery voltage is low
Automatic shut-down	Turn off automatically after 15 minutes
Power consumption	750mA MAX
Quality	Meter: 975g (including battery)
Working temperature and humidity	-20°C~50°C; Below 80%rh
Storage Temperature and Humidity	-40°C~60°C; below 70%rh
Insulation Resistance	20Ω or more (500V between circuit and outside)
Pressure Resistance	AC 3700V/rms (between circuit and outside)
External magnetic field	<40A/m
External electric field	<1V/m
Suitable for Safety Regulations	IEC61010-1 (CAT III 300V、CAT IV 600V、Pollution Degree 2); IEC61010-031; IEC61557-1 (Ground resistance)



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Model	KPM-CEST1800
Clamp resistance Range	0.00Ω-1800Ω
Leakage current range	0.000mA-50A
Current resolution	1uA
Three-four-wire method range	0.00Ω-30kΩ
Soil resistivity range	0.00Ω-9999kΩ _m
Ground voltage range	600V
Bluetooth	●
Built-in rechargeable battery	●
TFT Color display	●
USBData upload function	●
data storage	●
Real-time battery power indicator	●
Backlight	●
Alarm function	●
Low battery voltage indication	●
Overload protection	●
● - Facility Provided	



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