KUSAM-MECO®
An ISO 9001:2015 Company

GROUND PILE TYPE CLAMP GROUND RESISTANCE TESTER
MODEL- KM 1920

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■ PRODUCT INTRODUCTION

Ground-pile clamp ground resistance tester, also known as loop resistance tester, is used to test ground resistance. This meter uses a brand new 2.4-inch luxury color screen design, with clamp resistance, three or four-wire resistance, AC voltage, current measurement functions, and also has data storage, data access, alarm, automatic shutdown and other functions. The whole machine is beautiful and high-grade, wide range, high resolution, convenient operation, easy to carry, accurate, reliable, stable performance, and strong anti-interference ability. Moreover, it has a shock-proof, dust-proof, and moisture-proof structure. It is a commonly used and indispensable instrument for telecommunications, electric power, meteorology, computer rooms, oil fields, electromechanical installation and maintenance, and industrial enterprises that use electricity as industrial power or energy. It is suitable for measuring grounding resistance of various telecommunications, electricity, meteorology, computer rooms, oil fields, power distribution lines, transmission lines of iron towers, gas stations, factory grounding grids, lightning rods, etc. The ground pile clamp ground resistance tester is controlled by a microprocessor and can accurately detect ground resistance. It uses fast filtering technology to minimize interference. At the same time with data storage and data upload functions.



Preliminary Data

■ FEATURES

- **Clamp resistance range : 0.00Ω-1500Ω**
- **Leakage current range : 0.000mA-40A**
- **Current resolution : 1uA**
- **Three-four-wire method range: 0.00Ω-3000Ω**
- **Ground voltage range: 600V**
- **Built-in rechargeable battery**
- **TFT color screen display**
- **USB data upload function**
- **Data storage**
- **Real-time battery power indicator**
- **Back light**
- **Alarm function**
- **Low battery voltage indication**
- **Overload protection**
- **yes**



■ TECHNICAL SPECIFICATIONS

Function	Ground resistance test, loop resistance test, AC current test, AC voltage test
Accuracy guaranteed temperature and humidity	23℃±5℃, below 75%rh
Power supply	DC 3.7V 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

All Specifications are subject to change without prior notice.

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℃ ~ 50℃; below 80%rh
Storage temperature and humidity	-40℃ ~ 60℃; 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 150V, pollution degree 2); IEC61010-031; IEC61557-1 (ground resistance);
Accessories	Test leads, Simple test leads, USB cable, Charger, Software CD, Instruction Manuals, Instruments box

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