KUSAM-MECO®
An ISO 9001:2015 Company

CLAMP GROUND RESISTANCE TESTER

MODEL- KM 1790

THINK SAFETY
THINK KUSAM-MECO®

■ PRODUCT INTRODUCTION

Clamp ground resistance tester is a new generation of groundless pile measurement method that our company's technical team meticulously developed. It uses a brand new generation of LCD, black screen backlight display and microprocessor technology to measure the grounding resistance through inductive method. When measuring a grounded system with a loop, it is not necessary to disconnect the ground lead wire, and no need for auxiliary electrodes. It is safe and fast. Widely used in telecommunications, electricity, meteorology, computer rooms, oil fields, power distribution lines, iron tower transmission lines, gas stations, factory grounding networks, lightning rods and so on. The instrument has the test precision, fast, simple, stable, reliable and other features

Clamp ground resistance tester is microprocessor controlled, and accurately detects ground resistance. It uses a fast filtering technique to minimize interference. At the same time store 300 groups of data, with unique features such as numerical maintenance and intelligent alarm prompts.



Preliminary Data

■ FEATURES

- **New black screen design, luxury**
- **Ω+A same screen display**
- **Quick self-test function without waiting**
- **Using fast filtering technology, strong anti-interference ability**
- **New design, long life clamp head**
- **300 sets of storage**
- **Resistance Range: 0~1200Ω**
- **Resistance resolution: 0.001Ω**
- **Current Range: 0~20A**
- **Current resolution: 0.01mA**
- **Multifunctional Type**

■ TECHNICAL SPECIFICATIONS

Function	Ground resistant test, Loop resistance test, leakage current test		
Range	Ground resistant: 0.01Ω-1200Ω	Resolution: 0.001Ω	Accuracy: ±1%±0.01Ω
	Current : 0.00mA-20.0A	Resolution: 0.01mA	Accuracy: ±2%±1mA
Ambient temperature and humidiy	23℃±5℃, below 75%rh		
Power Supply	4 section 5 Alkaline Dry Battery		
Measurement Method	Mutual induction		
Clamp Diameter	55mmx32mm		
Ω+A Synchronized display	Ω+A same screen display		
Display Mode	4-digit LCD display, black screen design		
LCD Dimension	46mm×29mm		
Meter Dimension	W/T/H: 85mm×58mmx285mm		
Sampling Speed	About 2 times/second		
Data Storage	300 Groups, the symbol “MEM” gives indication, “FULL” mark will flash to indicate the memory has been full		
Data Review	"MR" symbol indication when reviewing data		
Overflow Display	Exceed measurement range overflow function: “OL ” symbol display		
Interference Test	Automatic identify interference signal, "NOISE" symbol indication when the interference current is large		
Alarm Function	Alarm when the measured value exceeds the alarm setting value		
Battery Voltage	Real-time display of battery power, reminding timely charging when battery voltage is low		
Automatic shut-down	"APO" instruction, automatic shutdown after 5 minutes boot		
Power Consumption	50MA Max		
Weight	Instrument: 1180g (with battery)		
Working Temperature and Humidity	-10°C~40C; below 80% rh		
Storage Temperature and Humidity	-20°C~60C; 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 (grounding resistance)		
Accessories	5# battery, Calibration ring, Instruction Manual, Instruments box		

All Specifications are subject to change without prior notice.

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