KUSAM-MECO®
An ISO 9001:2015 Company

CLAMP-ON TYPE DIGITAL EARTH RESISTANCE TESTER WITH BLUETOOTH FUNCTION MODEL KM 1720

THINK SAFETY
THINK KUSAM-MECO®

Earth Resistance Tester is widely used for earth resistance testing of the equipments in the field of power, telecommunication, meteorology, oilfield, construction and the industrial and electrical equipment.. It features easy operation, high-accuracy and good adaptation of testing environment.



Preliminary Data

FUNCTIONS AND FEATURES

- Bluetooth function (Mobile App)
- Beyond the limitation of the traditional method of earth resistance testing, no assistance poles are required, with easy and convenient operation.
- Automatic range selection & self calibration.
- No error of electrodes arranging, which results in good consistency under the condition of earth resistance testing.
- Equipped with standard testing coil (5.1Ω)which can be used to do the self-testing with accuracy.
- With a compact & sturdy structure, it can operate under the condition of harsh-environment.
- Mode key switch key of function mode (Resistance measurement / Current measurement / data access).
- High-Low limits set table for Resistance & Current.
- Hold Key for lock / release display
- Set key function key combinations.



Carrying Case

GENERAL SPECIFICATIONS :	
Resistance Measurement Range	0.001 ~ 1500 Ω
Maximum Resistance Measurement Resolution	0.001Ω
Measurement Resistance Frequency	> 1 KHz
Current Measurement Range	0.00mA ~ 35A
Current Frequency	50/60Hz
Display Screen	4 digit LCD Backlight, 47 x 28.5 mm in length
Jaw Opening Size	32 mm
Max. Bus Bar Dimension	32 mm × 65 mm
Structure	Clamp CT
Single Measurement Time	0.5 second
Protection Grade	double insulation
External Magnetic Field	< 40A / m
External Electric Field	< 1V/m

All Specifications are subject to change without prior notice.

Operating Temperature	-20°C ~ 55°C10; RH-90%RH
Operating Humidity	10% ~ 90%RH
Data Storage	500 groups
Setting Range of Resistance Alarm Critical Value	1 ~ 199Ω
Setting Range of Current Alarm Critical Value	1 ~ 499mA
Audible & Visual alarm	"beep--beep--beep --" alarm sound, Press “AL” key to turn on and off
Power Supply	4 X AA alkaline dry battery (6VDC)
Weight	Approx.1160g
Dimension	Approx. 285(L) x 85(W) x 56(D) mm
Accessories	Standard Testing Coil (5.1Ω), User manual, Batteries & Strong Carrying Case.

ELECTRICAL SPECIFICATIONS

Accuracy : ±% reading ± digits environment to guarantee accuracy : 23°C ± 5°C, less than 75% RH

RESISTANCE

Measurement Range (Ω)	Resolution (Ω)	Accuracy (Ω)
0.010~ 0.099Ω	0.001 Ω	±(1% + 0.01Ω)
0.10~ 0.99 Ω	0.01 Ω	±(1% + 0.01Ω)
1.0 ~ 49.9 Ω	0.1 Ω	±(1% + 0.1Ω)
50.0 ~ 99.5 Ω	0.5 Ω	±(1.5% + 0.5Ω)
100 ~ 199 Ω	1 Ω	±(2% + 1Ω)
200 ~ 395 Ω	5 Ω	±(5% + 5Ω)
400 ~ 590 Ω	10 Ω	±(10% + 10Ω)
600 ~ 880 Ω	20 Ω	±(20% + 20Ω)
900 ~ 1500 Ω	30 Ω	±(25% + 30Ω)

CURRENT

Measurement Range	Resolution	Accuracy
0.00mA - 9.95mA	0.05mA	±(2.5% + 1mA)
10.0mA - 99.0mA	0.1mA	±(2.5% + 1mA)
100mA - 300mA	1mA	±(2.5% + 10mA)
0.30A - 2.99A	0.01A	±(2.5% + 0.1A)
3.0A - 9.9A	0.1A	±(2.5% + 0.3A)
10.0A - 35.0A	0.1A	±(2.5% + 0.5A)

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