

KUSAM-MECO®

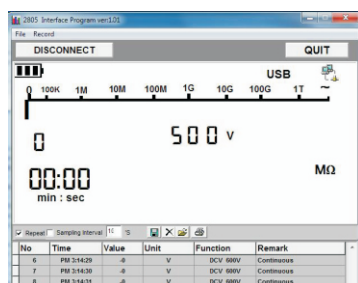
An ISO 9001:2008 Company

**DIGITAL INSULATION RESISTANCE TESTER (5KV, 1T)
WITH POLARIZATION INDEX (PI) & DAR MEASUREMENT****Model KM 2805**

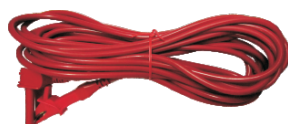
Model - KM 2805 Insulation Resistance Tester is a handheld instrument designed to measure Resistance / Insulation Resistance of LT/HT cables, Power & Distribution Transformers, Motors & Electric Control Panels.



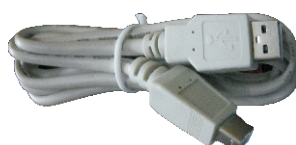
Software CD



Software Screen

Test leads (10 meter)
OPTIONAL

Test leads (1.5 meter)



Software Cable

GENERAL SPECIFICATIONS :

- * **Display :** Digital 9999 Counts LCD Display with Analog Bar Graph.
- * **LCD Size :** 123 x 58mm
- * **Backlight :** Bright blue backlight for clear readings even in poorly lighted areas.
- * **Autoranging**
- * **Data Logging & recall 18 points.**
- * **Overload Protection :** Display OL on Insulation Resistance Range. When the insulation resistance is more than the range of the tester.
- * **Operating Temperature :**
-10°C ~ 40°C (14°F ~ 104°F)
- * **Storage Temperature :**
-20°C ~ 60°C (-4°F ~ 152°F)
- * **Relative Humidity :** 85% @ -10°C~40°C below;
90% @ -20°C ~ 60°C.
- * **Current Consumption :** Maximum : around 1.0A;
Average : around 20mA
- * **Computer connection via USB interface**
- * **Auto release voltage.**
- * **COMP Measurement :** Use the compare function to set a pass / fail compare level for the insulation measurements.
- * **PI Measurement :** Polarization Index is the ratio of insulation resistance. You can pre-set two point of times and automatically carry out the measurement
- * **Timer :** To carry out measurement by setting a specified time upto 15 minutes.
- * **Battery indicator displays battery condition.**
- * **Icon Display :** Equips with function and battery indicator icons.
- * **Power Supply :** 1.5V (LR 14) x 8 batteries or power adaptor input Voltage 230V, 50/60Hz, 75mA (DC 14V, 1.0A)
- * **Dimension :** 202(H) x 155(W) x 94(L) mm
- * **Weight :** approx. 2kg (including battery)

OPTIONAL ACCESSORIES : 10 meter Test Lead .**SAFETY :**

Certification : CE approved.

Compliances : IEC61010 CAT III 600V over voltage and double insulation standard.

ACCESSORIES :

Two pcs of plug Test Lead to one alligator clip (Black & Green), One pc of Two plugs Test Lead to alligator clip (Red), Batteries, User's manual, Tool Box, USB interface cable, Software, Power Adaptor.

ELECTRICAL SPECIFICATIONS: KM 2805

Accuracy : $\pm$ (% of reading + number of least significant digits) at 18°C to 28°C with relative humidity 45 ~ 75% RH.

INSULATION RESISTANCE MEASUREMENT

Output Voltage (DC)	500V	1000V	2500V	5000V
Display Range	0.5M ~ 20G	2M ~ 40G	5M ~ 100G	100M ~ 1000G
Open Circuit Voltage	DC 500V 0% ~ +20%	DC 1000V 0% ~ +20%	DC 2500V 0% ~ +20%	DC 5000V 0% ~ +20%
Test Current	1mA ~ 1.2mA @500k	1mA ~ 1.2mA @1M	1mA ~ 1.2mA @2.5M	1mA ~ 1.2mA @5M
Short Circuit Current	Less than 2.0mA			
Accuracy	100k ~ 100M $\pm$ (3%rdg + 5dgts)			
	100M ~ 10G $\pm$ (5%rdg + 5dgts)			
	10G ~ 100G $\pm$ (10%rdg + 5dgts)			
	Above 100G : $\pm$ [(20%rdg + 5dgts) Humidity : Below 50%]			

VOLTAGE MEASUREMENT

	DC Voltage	AC Voltage
Measurement Range	$\pm$ 30V ~ $\pm$ 600V	30V ~ 600V(50/60Hz)
Resolution	1 V	
Accuracy	$\pm$ (2%rdg + 5dgts) Among them 30 ~ 100V (50/60Hz) $\pm$ (2%rdg + 8dgts)	

All Specifications are subject to change without prior notice

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