KUSAM-MECO®
An ISO 9001:2015 Company

10KV DIGITAL INSULATION RESISTANCE TESTER
MODEL- KM 5410

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PRODUCT INTRODUCTION

Digital insulation resistance meter, also name megohmmeter, high voltage insulation resistance tester, is used for insulation resistance test. This instrument has a large LCD screen gray backlit display, data storage, data review, alarm, Automatic discharge, charging, automatic shutdown & other functions. At the same time, it also has the function of measuring absorption ratio and polarization index of AC voltage and DC voltage. The machine is beautiful & upscale, has a wide range, high resolution, convenient operation, easy to carry, accurate, reliable, stable performance, Large output power, strong anti-interference ability.

Digital insulation resistance meter also has a shockproof, dustproof, moisture-proof structure, and adapts to the harsh working environment. It is a commonly used & indispensable instrument for Telecommunications, electricity, weather, computer rooms, oil fields, electro mechanical installation and maintenance, and industrial enterprises that use electricity as industrial power or energy. It is suitable for measuring the resistance value of various insulating materials and the insulation resistance of transformers, motors, cables and electrical equipment.

FEATURES

- **Rated applied voltage :** 250V; 500V; 1000V; 2500V; 5000V; 10KV
- **Resistance limit range :** 0.01MΩ ~ 35TΩ
- **Resolution : 0.01MΩ**
- **Accuracy : ±3%rdg±5dgt**
- **Output short-circuitt current : ≥6mA**
- **Live circuit indicator 30V to 600V, 50Hz**

NEW

CAT IV 600V



Preliminary Data



TECHNICAL SPECIFICATIONS

Function	Insulation resistance test, voltage test, current test, capacitance test		
Basic condition	23℃±5℃ · below 75%rh		
Rated voltage(V)	250V; 500V; 1000V; 2500V; 5000V; 10KV	Accuracy rated voltage ×(1±10%)	
Step voltage(V)	±5V, ±50V For each range		
Insulation resistance range(GΩ)	0.01MΩ ~ 35TΩ	Accuracy: ±3%rdg±5dgt	Resolution: 0.01MΩ
DC voltage range	0.1 ~ 1000V	Accuracy : ±1.5%rdg±3dgt	Resolution: 0.1V
AC voltage range	0.1 ~ 750V		
DC current measurement	0.01nA ~ 6mA	Accuracy : ±5.0%rdg±5dgt	Resolution: 0.01nA
Capacitance test	10nF ~ 50μF	Accuracy : ±10%rdg±5dgt	Resolution: 10nF
Absorption ratio and polarization index measurement	have		
Power	12V rechargeable battery		
Backlight	Controllable gray screen backlight, suitable for use in dim places		
Display mode	4-bit large LCD display, gray screen backlight		
Instrument size	240mm (L)*188mm (W)*85mm (H)		
USB interface	With USB interface, software monitoring, storage data can upload computer, save and print		
Communication line	USB communication line 1pc		
Test line	High voltage rod red line 3 meters, high voltage test line black line 1.5 meters green line 1.5 meters		
Data Storage	500 groups, "FULL" symbol indicates that storage is full		
Data Review	Data review function: "READ" symbol display		
Overflow Display	Exceed measurement range overflow function: “OL ” symbol display		
Alarm function	When the measured value exceeds the alarm set value, an alarm prompt is issued.		
Instrument weight	2720g(including battery)		
Power Consumption	Standby: 30mA Max(backlight off)		
	Turn on backlight: 42mA Max		
	Measure : 200mA Max(backlight off)		
Battery voltage	When the battery voltage is low, low battery symbol will display		
Automatic shut-down	automatic shutdown after 15 minutes boot		
Insulation Resistance	≥50MΩ(between Measuring line and housing)		
Pressure Resistance	AC3kV/50Hz 1min		
Working Temperature and Humidity	- 10℃ ~ +50℃ < 85%RH		
Storage Temperature and Humidity	- 15℃ ~ +55℃ < 90%RH		
Suitable for Safety Regulations	"IEC61010-1, IEC1010-2-31, IEC61557-1,5, IEC60529(IP54) pollution grade 2, CAT IV 600V		
Accessories	High voltage bar, High voltage test line,USB communication lineUSB, charger, Software CD, Instruction Manuals, Instruments box		

All specifications are subject to change without prior notice.

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