

DIGITAL INSULATION RESISTANCE TESTER (Megohmmeter 5kV 10kV 15kV) THINK KUSAM-MECO MODEL- KM 5405/KM 5410/KM 5415



■ 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 and 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 and 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 and indispensable instrument for Telecommunications, electricity, weather, computer rooms, oil fields, electromechanical 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.





Preliminary Data

■ FEATURES

• Rated applied voltage: 100; 250; 500; 1000; 2500; 5KV (KM 5405)

250V; 500V; 1000V; 2500V; 5000V; 10KV (KM 5410)

500V; 1000V; 2500V; 5000V; 10KV; 15KV (KM 5415)

• Resistance limit range : $0.01M\Omega \sim 10T\Omega$ (KM 5405);

 $0.01M\Omega \sim 35T\Omega$ (KM 5410); $0.01M\Omega \sim 50T\Omega$ (KM 5415)

• Resolution : 0.01MΩ Accuracy: ±3%rdg±5dgt

• Output short-circuitt current : ≥6mA



■ TECHNICAL SPECIFICATIONS

Function	Insulation resistance test, voltage test, current test, capacitance test				
runction	iniouation resistance test, voltage test, current test, capacitance test				
Basic condition	23°C±5°C · below 75%rh				
Rated voltage(V)	100V; 250V; 500V; 1000V; 2500V; 5000V		^		
	L250V: 500V: 1000V: 2500V: 5000V: 10KV L			Accuracy rated voltage ×(1±10%)	
	500V; 1000V; 2500V; 5000V; 10KV; 15KV		(1±10/0)		
Insulation resistance range(GΩ)	$0.01M\Omega \sim 10T\Omega$	Accuracy: ±3%rdg±5dgt		Resolution: 0.01MΩ	
	0.01ΜΩ ~ 35ΤΩ				
	0.01ΜΩ ~ 50ΤΩ				
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 ~ 50uF	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			
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)			
	Standby: 30mA Max(backlight off)			
Power Consumption	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°C ~ +50°C < 85%RH			
Storage Temperature and Humidity	- 15°C ~ +55°C < 90%RH			
Suitable for Safety Regulations	"IEC61010-1, IEC1010-2-31, IEC61557-1,5, IEC60529(IP54) pollution grade 2, CAT III 300V			
Accessories	High voltage bar, High voltage test line, USB communication line USB, charger, Software CD, Instruction Manuals, Instruments box			

All Specifications are subject to change without prior notice.



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 $Chhaya\ common\ data/chhaya/my\ documents/chhaya/backup/catlog/New\ catlog/2021/KM\ 5405\ /\ KM\ 5410\ /\ KM\ 5415.cdr$