KUSAM-MECO®

An ISO 9001:2015 Company

MULTIFUNCTION INSTALLATION TESTER
MODEL - KM 5100

THINK SAFETY
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PRODUCT INTRODUCTION

KM 5100 rugged Multifunction Installation Tester with 3.5" TFT color LCD display, provides insulation resistance, earth resistance, loop impedance, voltage, RCD, PFG and PSC testing. It is designed with software system and ensure the safety of electrical installations in domestic, commercial and industrial applications. KM 5100 series can ensure the fixed wiring is safe and correctly installed. It's fast sampling and dual display, clear symbols and exceptionally wide viewing angle are for easy and safe readings.

NEW



Preliminary Data

FEATURE

- **3.5" TFT color LCD display with 320x240 pixels**
- **Fast high current loop test**
- **Variable RCD current mode for customized settings**
- **PASS/FAIL indication for RCD tests**
- **Select voltage measurement between L-N, L-PE and N-PE**
- **Support SD memory and USB and Bluetooth interface**
- **Internal Memory**
- **Safe Earth Volt Touchpad detects raised earth voltages > 50 V, indicating potential dangerous situations.**
- **Slim probes designed with test button**
- **For easy, always reliable and accurate compensation of test leads and mains cords**
- **Bluetooth interface**

EN 61010-1
CAT IV 400V

CE

EMC & LVD
EN : 61326
EN : 61010-1
EN : 61010-02-032
EN : 61010-02-033







SPECIFICATION :

Insulation					
Terminal Voltage	**Range**	**Max Resolution**	**Accuracy**	**Test Current**	**Short circuit current**
125V (0% ~ + 10)	0.125 ~ 4000MΩ	0.001MΩ	± (2% + 10)	1mA@load 125kΩ	≤ 1mA
250V (0% ~ + 10)	0.250 ~ 4000MΩ	0.001MΩ	± (2% + 10)	1mA@load 250kΩ	≤ 1mA
500V (0% ~ + 10)	0.500 ~ 4000MΩ	0.001MΩ	± (2% + 10)	1mA@load 500kΩ	≤ 1mA
1000V (0% ~ + 10)	1.000 ~ 4000MΩ	0.001MΩ	± (3% + 10)	1mA@load 1MΩ	≤ 1mA

Low OHM				
Range	**Resolution**	**Accuracy**	**Max. open Circuit Voltage**	**Overload Protection**
4.000Ω	0.001Ω	± (1.5% + 30)	5.8V	250Vrms
40.00Ω	0.01Ω	± (1.5% + 3)		
400.0Ω	0.1Ω			

Continuity Beeper				
Range	**Resolution**	**Operation Resistance**	**Max. open Circuit Voltage**	**Overload Protection**
Continuity	0.001Ω	Resistance ≤ 35Ω	5.0V ± 1VDC	250Vrms
Short circuit current		≥ 200mA		

All Specifications are subject to change without prior notice.

LOOP Resistance		
L-PE(Hi-Amp) : Range of the Voltage Used: 195V AC ~ 260V AC (50, 60Hz)		
Range (Ω)	**Max. Resolution (Ω)**	**Accuracy**
0.00 ~ 999	0.01	± (4% of reading + 6 digits)
L-PE(No Trip) : Measuring Current:15mA / Range of the Voltage Used : 195V AC ~ 260V AC (50, 60Hz)		
Range (Ω)	**Max. Resolution (Ω)**	**Accuracy**
0.00 ~ 999	0.01	± (5% of reading + 6 digits)
L-N: Measuring Current : 2.0A / Range of the Voltage Used : 195V AC ~ 260V AC (50, 60Hz)		
Range (Ω)	**Max. Resolution (Ω)**	**Accuracy**
0.00 ~ 999	0.01	± (4% of reading + 4 digits)
RCD Testing		
Test current	**Accuracy**	
x½, x1, x2, x5	1.5% ~ -9%	
Voltage and Frequency		
Measurement Range (V) / AC-DC	**Resolution**	**Accuracy**
80 ~ 500V / (45 ~ 400Hz)	1V	± (2% of reading + 2 digits)
Earth Resistance		
Range	**Resolution**	**Accuracy**
0.00 ~ 99.99Ω	0.01Ω	± (2% of reading + 30 digits)
100.0 ~ 999.9Ω	0.1Ω	± (2% of reading + 6 digits)
1000 ~ 2000Ω	1Ω	

- **Dimension :** Approx. 242(L) x 105(W) x 145(H)mm
- **Weight :** Approx. 1.56kg.
- **Accessories :** CD, TF card, Clear test piece, Battery, Lanyard, US/EU/UK/AU adapter, USB cable, Car charging cable, Test lead, Test lead with switch, Test lead, Clip type connector, Round connector.
- **Optional Accessories :** Test lead set & Spikes (2 nos.) for Earth resistance test.

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