



# KMP7030

## Loop Impedance Tester

Loop testing is a quick, convenient, and highly specific method of evaluating an electrical circuit for its ability to engage protective devices (circuit breakers, fuses, RCD's). A "loop" is defined by including unsuspected elements, where current has found parallel paths to ground. Because a ground loop determines the effectiveness of protective devices, it is crucial to be able to measure it, in order to detect and correct problems.

- Non trip loop test on passive RCDs
- Instant reading
- 20, 200 & 2000Ω loop measurement ranges
- PSC measurement up to 20kA
- Displays mains voltage before test
- Instant correct wiring status check
- Designed to allow testing to BS7671 IEE 17<sup>th</sup> Edition regulations
- Backlight display
- Low battery indication
- CAT III 300V

## KMP7030 Loop Impedance Tester

## Data Sheet

### Specifications (At 23°C ± 5°C, 45% ~ 75% RH)

Operating Voltage	230Vac, 45Hz ~ 65 Hz	+10% to -15%
Loop Impedance 20Ω / 200Ω / 2000Ω	0 ~ 19.99Ω / 199.9Ω / 1999Ω	±(3% rdg + 4 LSD)
AC Test Current	25A Nominal at 20Ω	
AC Test Period)	10ms at 20Ω	
No Trip Loop Impedance 20Ω / 200Ω	0 ~ 19.99Ω / 199.9Ω (L – N impedance < 20Ω)	± (3% rdg + 6 LSD)
PSC Measurement 200A / 2000A / 20kA	0.0 ~ 199.9A / 1999A / 19.9kA	PSC accuracy derived from measured loop impedance specification and measured voltage specification
Voltage Measurement	100Vac ~ 300Vac	± (2% rdg + 4 LSD) @ 50/60Hz
Operating Temperature	0°C to +40°C, ≤ 85% RH, no condensation	
Storage Temperature	-20°C to +60°C, ≤ 90% RH, no condensation (without batteries)	
Power Supply	1.5V Alkaline Battery (AA Battery) × 8 pcs	
Dimensions (L x W x H)	189 x 168 x 85 mm (7.43 x 6.65 x 3.35 in)	
Product Weight	Approx. 1.1kg (2.4 lb) with batteries installed	
Regulation Compliance	Designed to allow testing to BS7671 IEE 17 <sup>th</sup> Edition regulations BS EN 61010-1 CAT III 300V BS EN 61557-1, BS EN 61557-3 BS EN 61326-1 (EMC)	
Included Accessories	Mains test cord, test lead set with IEC connector, test probe set, alligator clip set, batteries (8 x AA), user's manual, strap and carrying case	
Optional Accessory	Mains test cord with earth probe	

