

KMP7020



KMP7021



# KMP7020 / KMP7021

## Digital RCD Testers

A residual-current device (RCD) disconnects a circuit whenever the electric current is not balanced between the energized and the neutral conductors. The imbalance indicates that there is a leakage current outside of the system sometimes caused by the person accidentally touching the energized part of the circuit, and sometimes by lack of sufficient insulation (excessive moisture or worn out, poor quality insulation materials). RCDs are designed to disconnect quickly to mitigate the harm caused by such shocks and to avoid current leaks which may lead to fire and other dangerous situations.

Robin-Amprobe RCD testers are simple to use devices designed to check for correct operation of RCD devices. They feature three levels of trip currents with either Fast Trip or Ramp Test for complete range of testing applications.

- Three levels of trip currents (X1/2, X1, X5) for complete range of testing applications
  - Fast trip function (KMP7020)
  - Ramp test (KMP7021)
- 3-LED proper connection indicator
- Phase switch selection 0° and 180° for positive and negative semi-cycle testing
- Designed to allow testing to BS7671 IEE 17<sup>th</sup> Edition regulations
- Large display
- Safety CAT III 300V

## KMP7020 Digital RCD Tester with Fast Trip KMP7021 Digital RCD Tester with Ramp Test

## Data Sheet

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

Operating Voltage	230Vac, 50 Hz	+10% to -15%
Trip Current @ X½	10 / 20 / 30 / 100 / 300 / 500mA (trip time 0 to 2000ms)	Trip current tolerance: -10% to 0% Trip Time: ± (2% rdg + 2 LSD)
Trip Current @ X1	10 / 20 / 30 / 100 / 300mA (trip time 0 to 1000ms) 500mA (trip time 0 to 300ms)	Trip current tolerance: 0% to +10% Trip Time: ± (2% rdg + 2 LSD)
Trip Current @ X5	10 / 20 / 30mA (trip time 0 to 40ms)	Trip current tolerance: 0% to +10% Trip Time: ± (2% rdg + 2 LSD)
Fast Trip Current (KMP7020)	250mA (trip time 0 to 40ms)	Trip current tolerance: 0% to +10% Trip Time: ± (2% rdg + 2 LSD)
Ramp Test (KMP7021)	10 / 20 / 30 / 100 / 300 / 500mA Ramp increase by 10% Default nominal residual currents from 20% to 110% Maximum measuring time 300ms x 10 times	-10% to +10%
Operating Temperature	0°C to +40°C, ≤80% RH, no condensation	
Storage Temperature	-20°C to +60°C, ≤90% RH, no condensation	
Power Supply	AC mains 230V +10% -15%, 50 Hz	
Dimensions (L x W x H)	160 x 101 x 71 mm (6.3 x 3.98 x 2.79 in)	
Product Weight	Approx. 450g (0.99 lb)	
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 61557-6 BS EN 61326-1 (EMC)	
Included Accessories	3-Wires mains test cord, test lead set with leads/probes/alligator clips, users manual, strap and carrying case	



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