

MODEL 6010A



Specifications

Continuity Testing	
Measuring Ranges	0~19.99 and 10.0~199.9Ω (2 auto ranges)
Open Circuit Voltage	> 4V (as per IEC364)
Short Circuit Current	> 200mA DC (as per IEC364)
Accuracy	±(3% + 3dgt)

Insulation Testing	
Measuring Ranges	0~19.99 and 10.0~199.9MΩ (2 auto ranges)
Test Voltage	500V DC
Output Voltage on Open Circuit	570V DC±6%
Rated Current	> 1mA (as per IEC364)
Accuracy	±(3% + 3dgt)

Loop Impedance Testing	
Rated Voltage	230V AC ±10% (50Hz)
Voltage Measuring Range	100-250V AC (50Hz)
Impedance Ranges	20/2000Ω
Nominal Test Current	24A (20Ω range) 15mA (2000Ω range)
Test Period	1/2 cycle (10ms)
Accuracy	20Ω range: ±(3% + 8dgt) 2000Ω range: ±(3% + 8dgt)

RCD Testing	
Rated Voltage	230V AC ±10% (50Hz)
Trip Current Settings	RCD × 1/2: 5, 15, 50, 150, 250mA RCD × 1: 10, 30, 100, 300, 500mA
Trip Current Duration	RCD × 1/2 × 1: 2000ms
Fast Trip	150mA
Accuracy	Trip current ±3% of test current at 230V. Trip time ±(3% + 3dgt)

General

Safety Standard	IEC61010-1 CAT. III 300V Pollution Degree 2 IEC61010-2-031 IEC61557
Withstand Voltage	4000V AC for 1 minute
Power Source	R6P(AA)(1.5V)×8
Dimensions	175(L)×115(W)×86(D)mm
Weight	780g approx.
Accessories	7025(Test Leads) KAMP10 ※ (Test Lead with IEC Connector) Pouch for Test leads Shoulder Strap Shoulder Pad R6P(AA)×8 Instruction Manual

※ KAMP10(EU): European SHUKO plug
KAMP10(UK): British plug(13A)
KAMP10(AU): Australian plug
KAMP10(SA): South African plug

Model 6010A is an advanced multifunction tester that can perform all the testing required by IEC 364-6-61 with a single instrument.

It can be used to test insulation resistance, continuity, loop impedance and RCDs(ELCBs), four major test requirement in the electrical testing industry. This four-in-one instrument eliminates the need to carry individual single function testers. Model 6010A is designed to IEC 61010-1 and available with CE marking for EMC compliance.

Features

Continuity and Insulation Testing

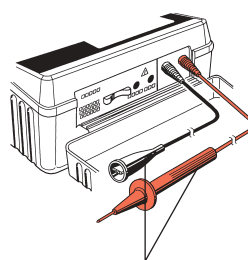
- Live circuit warning LED:
Immediate illumination of a warning lamp if the circuit under test is live
- Auto Discharge:
Allows fast and safe discharge of electrical energy stored in capacitive circuits following testing
- Integral overload protection on internal continuity and insulation test circuitry
- Autoranging
- 500V DC test voltage for insulation tests
- 200mA short circuit current on continuity ranges

Loop and RCD Testing

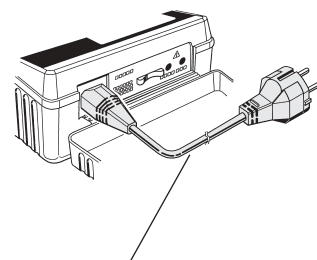
- Wiring connection check LED's:
Immediate indication if wiring of circuit under test is correct
- Overheat Protection:
Rapid detection of overheating of internal circuitry, display of warning signal to user and automatic halting of measurement
- Supply Voltage Indication:
Can display supply voltage value in loop impedance mode
- Low Current Loop Impedance Test:
Short duration low test current will prevent tripping of many passive RCDs
- Auto Data Hold:
Retains displayed reading for set period following test
- Phase Angle Selection:
Selection of test current from +ve or -ve half cycle of waveform can prevent tripping of polarized type RCDs

Accessories

Continuity and Insulation Testing LOOP and RCD Testing



■ Model 7025
(Test Leads)



■ KAMP10
(Test Lead with IEC Connector)