

RCD TESTERS

MODEL 5406A



CE

	5406A
Rated tripping current	10/20/30/200/300/500mA
Fault condition settings	<input checked="" type="checkbox"/> 1/2 <input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> DC Auto Ramp
Trip current duration	1000ms 200ms(<input checked="" type="checkbox"/> 5)
Lowest resolution	1ms
Trip time accuracy	<input checked="" type="checkbox"/> 0.6%rdg <input checked="" type="checkbox"/> 4dgt
Operating voltage	230V <input checked="" type="checkbox"/> 10%-15% (195V - 253V)[50Hz]
Applicable standards	IEC61557-1,6 IEC61010-1 CAT III 300V IEC61010-031 Pollution degree 2 IEC60529(IP54)
Dimensions	167(L) <input checked="" type="checkbox"/> 186(W) <input checked="" type="checkbox"/> 89(D)mm
Weight	800g approx.
Accessories	Molded plug test leads <input checked="" type="checkbox"/> 9147(Cord case) 9121(Shoulder strap) Instruction manual
Optional	7121B(Distribution board test leads)

7123(AU) : Australian plug 7124(UK) : British plug(13A)
 7125(EL) : European SHUKO plug 7126(SA) : South african plug

- Custom microprocessor controlled for highest accuracy and reliability.
- 3 LEDs for checking correct wiring status.
- 0 and 180 degree phase angle switch permits quick tests and consistent readings.
- Digital read-out of tripping time.
- Test of a large kind of RCDs : Standard, Selective, AC and A(DC sensitive breakers).
- Constant current source circuitry ensures that a fluctuating mains voltage does not affect the accuracy of readings.
- Large custom digital display readout.
- Visual indication of reversed phase and neutral wiring at socket.
- Designed to IP54 Rating.
- Complies with IEC 61557

Accessories



Molded plug test leads

MODEL 7123 (AU) Australian plug
MODEL 7124 (UK) British plug(13A)
MODEL 7125 (EU) European SHUKO plug
MODEL 7126 (SA) South african plug

RCD TESTERS

KEW 5410



CE

- Measurement of RCD trip time**
 Conducting testing of rated residual non-operating currents at x 1/2 Range, measuring RCD trip time at x1 and x5 Ranges.
- Measurement of trip out current**
 Measuring trip out current by varying current automatically.
- Remote Test**
 Enabling a user to hold the Test Leads with his both hands by locking the Test Button. Measurement will automatically start when the main voltage is detected.
- Voltage Measurement**
 Carrying out a constant measurement of voltage in the stand-by mode at each Range.
- Auto-detection of Contact voltage**
 Detecting the voltage to earth of Earth electrodes or Protective conductors during RCD test - when applying test currents - at measurement using EARTH in order to prevent electrical shocks caused by the damaged earth. Measurement will be ceased at AC50V or more.
- Dust- and Water-proof**
 Dust- and Water-proof construction. (designed to IEC 60529 IP54)
- Backlight**
 Facilitating working at dimly illuminated locations.

		5410			
Measurement of RCD trip time		Measurement of trip out current			
Range		⊗5	⊗1	⊗1/2	Auto Ramp (mA)
Rated voltage		100V⊗10% 200V⊗32%/-10% 400V⊗10% (50/60Hz)			
Test current		15/30/50/100mA	15/30/50/100/200/500mA	15/30/50/100/200/500mA	
Measuring range		Testing time 200ms	Testing time 2000ms	Testing time 2000ms	40% - 110% of I _{Δn} (goes up by 5%) Testing time 300ms x 15 steps
Accuracy	Trip time Test current	⊗1%/rdgt⊗3dgt ⊗2%/- ⊗8%/dgt	⊗1%/rdgt⊗3dgt ⊗2%/- ⊗8%/dgt	⊗1%/rdgt⊗3dgt -8%/- 2%/dgt	-4% - ⊗4%
Voltage measurement					
Measuring range	80V - 450V(50/60Hz)				
Accuracy	⊗2%/rdgt⊗4dgt				
Applicable standards	IEC 61010-1 Pollution degree 2 CAT III 300V/ CAT II 400V IEC 61557-1,6 IEC 60529(IP54)				
Display	1999 counts(3 1/2digits), Large LCD				
Operating temperature & humidity	0⊗C - 40⊗C, relative humidity 85%(no condensation)				
Storage temperature & humidity	-20⊗C - 60⊗C, relative humidity 85%(no condensation)				
Insulation resistance	50V⊗Ω or more / 1000V(between electrical circuit and enclosure)				
Power source	DC12V / Size AA battery F6(SUM-3)⊗8pcs				
Dimension	167(L)⊗186(W)⊗89(D)mm				
Weight	Approx. 965g (including batteries)				
Accessories	7128A(Test leads) 7129A(Test lead with alligator clip) 8017(Extension prod)⊗2 9147(Card case), 9121(Shoulder strap), Instruction manual, F6(SUM-3)(AA)⊗8				

⊗Only the RCD type G (without trip out time-delay) can be tested at Auto Ramp Test ⊗type S (time-delay) cannot be tested.

RCD TESTERS

Accessories

MODEL 7128A
Test leads

MODEL 7129A
Test lead with alligator clip

MODEL 8017
Extension prod

Neutral - Line

Connect the "PRIMARY" of the Connector Block to the Neutral of the power of RCD, and the "SECONDARY" of the Connector Block to the Line of the load of RCD.

Line - Line

Connect the "PRIMARY" of the Connector Block to L2 of the power of RCD, and the "SECONDARY" of the Connector Block to L1 of the load of RCD.

Earth - Line

Connect the "PRIMARY" of the Connector Block to Earth, and the "SECONDARY" of the Connector Block to Line of the load of RCD.