

RCD TESTERS

MODEL 5406A



- 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

	5406A
Rated tripping current	10/20/30/200/300/500mA
Fault condition settings	$\times 1/2$ $\times 1$ $\times 5$ \times DC Auto Ramp
Trip current duration	1000ms 200ms($\times 5$)
Lowest resolution	1ms
Trip time accuracy	$\pm 0.6\%rdg \pm 4dgt$
Operating voltage	230V $\pm 10\%$ -15% (195V - 253V)[50Hz]
Applicable Standards	IEC 61557-1,6 IEC 61010-1 CAT III 300V IEC 61010-031 Pollution degree 2 IEC 60529(IP54)
Dimensions	167(L) \times 186(W) \times 89(D)mm
Weight	800g approx.
Accessories	Molded plug test leads*, 9147(Cord case) 9121(Shoulder strap), Instruction manual
Optional	7121B(Distribution board test leads)

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

Accessories

Molded plug test leads



MODEL 7121B
Distribution board 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

KEW 5410



- **Measurement of RCD trip time**
Conducting testing of rated residual non-operating currents at $\times 1/2$ Range, measuring RCD trip time at $\times 1$ and $\times 5$ 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	$\times 5$	$\times 1$	$\times 1/2$	Auto Ramp (mA)
Rated voltage	100V $\pm 10\%$, 200V $\pm 32\%/-10\%$, 400V $\pm 10\%$, (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 $I_{\Delta n}$ (goes up by 5%) Testing time 300ms \times 15 steps
Accuracy	Trip time $\pm 1\%rdg \pm 3dgt$ Test current $\pm 2\% - +8\%dgt$	$\pm 1\%rdg \pm 3dgt$ $\pm 2\% - +8\%dgt$	$\pm 1\%rdg \pm 3dgt$ $-8\% - -2\%dgt$	Test current at each step $-4\% - +4\%$
Voltage measurement				
Measuring range	80V - 450V(50/60Hz)			
Accuracy	$\pm 2\%rdg \pm 4dgt$			
Applicable Standards	IEC 61010-1 Pollution degree 2 CAT III 300V/ CAT II 400V IEC 61557-1,6 IEC 60529(IP54)			
Operating temperature & humidity	0°C - 40°C, relative humidity 85%(no condensation)			
Storage temperature & humidity	-20°C - 60°C, relative humidity 85%(no condensation)			
Power source	R6(AA)(1.5V) \times 8			
Dimensions	167(L) \times 186(W) \times 89(D)mm			
Weight	Approx. 965g (including batteries)			
Accessories	7128A(Test leads), 7129A(Test lead with alligator clip) 8017(Extension prod) \times 2, 9147(Cord case), 9121(Shoulder strap), Instruction manual, R6(AA) \times 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.

Accessories



MODEL 7128A
Test leads



MODEL 7129A
Test lead with alligator clip



MODEL 8017
Extension prod