

DIGITAL LOOP/PFC/PSC TESTER with ATT

LOOP/PFC/PSC TESTER

KEW 4140



The KEW4140 incorporates Anti-Trip Technology (ATT) which electronically bypasses RCDs when performing loop impedance tests.

This saves time and money by not having to take the RCD out of the circuit when testing and is a safer procedure to follow.

With the ATT function enabled, a test current of 15mA or less is applied between Line & Earth.

It enables loop impedance measurements without tripping RCDs rated at 30mA and above.



- **Anti-Trip Technology for full no trip Loop testing on all RCDs rated 30mA and above.**
- **Dual Display allows simultaneous measurements**



Loop impedance & PFC



Voltage & Frequency

- **20, 200, 2000Ω Loop measurement with auto ranging**
- **2000A, 20KA PFC/PSC measurements with auto ranging**
- **Two wires connection for Loop and PFC/PSC testing is possible**
- **Phase to Phase Loop and PSC testing up to 500V**
- **Phase Rotation Test for 3 phase circuits, Volt and mains Frequency measurements.**
- **Lock-down test button – for hands free testing with auto start operation**
- **Instant correct wiring status check and protected against phase to phase connection**
- **Water and Dust Proof (IP54)**

Specification

Loop impedance	
L-PE ATT:ON	Range: 20/200/2000 Ohm (Auto-ranging) Rated voltage 100~280V (50/60Hz) Nominal test current: 6A/40ms(L-N), 10mA/approx. 5s (N-PE) $\pm 3\%rdg \pm 6dgt$
L-PE ATT:OFF	20/200/2000 Ohm (Auto-ranging) Rated voltage 100~280V (50/60Hz) Nominal test current: 6A/40ms (20 Ohm range), 2A/20ms (200 Ohm range), 15mA (2000 Ohm range) $\pm 3\%rdg \pm 4dgt$
L-N/L-L	Range: 20 Ohm Rated voltage 100~500V (50/60Hz) Nominal test current: 6A/20ms $\pm 3\%rdg \pm 4dgt$
PSC (L-N/L-L) / PFC (L-PE)	
PSC	Range: 2000A/20kA (Auto-ranging) Rated voltage 100~500V (50/60Hz) Nominal test current: 6A/20ms
PFC	Range: 2000A/20kA (Auto-ranging) Rated voltage 100~280V (50/60Hz) Nominal test current: 6A/40ms (20 Ohm range), 2A/20ms (200 Ohm range), 15mA (2000 Ohm range)
PFC ATT:ON	Range: 2000A/20kA (Auto-ranging) Rated voltage 100~280V (50/60Hz) Nominal test current: 6A/60ms(L-N), 10mA/approx. 5s (N-PE)
Volts	
Rated voltage	AC 0~500V (45~65Hz)
Frequency	45~65Hz (AC 0~500V)
Accuracy	$\pm 2\%rdg \pm 4dgt$ (Volts) $\pm 0.5\%rdg \pm 2dgt$ (Frequency)
Phase Rotation	
Rated voltage	AC 50~500V (45~65Hz)
Remarks	Correct phase sequence: are displayed "1.2.3" and the right rotation mark Reversed phase sequence: are displayed "3.2.1" and the left rotation mark
General	
Applicable standards	IEC61010-1 CAT.III 300V (500V Phase to Phase), IEC61010-031, IEC61557-1/-3/-7/-10, IEC61326(EMC)、IEC60529(IP54)
Battery	LR6 x 6
Dimensions/Weight	84(L) x 184(W) x 133(D) mm, 900g(including batteries)
Operating Temperature	-10°C~+50°C
Storage Temperature	-20°C~+60°C
Accessories	Main Test Lead (M-7218), Distribution Test Lead Batteries (LR6 x 6), Instruction Manual, Soft Case, Shoulder Strap

■ For inquires or orders:



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