

LOOP/PSC TESTERS

KEW 4140



- Anti-Trip Technology for complete trip free Loop testing on all RCDs rated 30mA and above.
- Dual Display allows simultaneous measurements like Loop & PFC/PSC.
- Two wire connection for Loop L-L, L-N and PSC testing is possible.
- Phase rotation, Voltage and Frequency measurements.
- Lock-down test button for 'hands free' testing with auto-start operation.
- Display and front panel keyboards with Backlight to be visible in dark places.
- Water and Dust proof (IP54)



4140			
Loop Impedance			
Function	L-PE ATT OFF	L-PE ATT ON	L-N/L-L
Rated voltage	230V (50/60Hz)		L-N: 230V (50/60Hz) L-L: 400V (50/60Hz)
Operating Voltage	100 - 280V (45 - 65Hz)		100 - 500V (45 - 65Hz)
Range (Auto-Ranging)	20/200/2000Ω	20/200/2000Ω (L-N<20Ω)	20Ω
Nominal Test Current at 0Ω External Loop: Magnitude/Duration at 230V	20Ω:6A/40ms 200Ω:2A/20ms 2000Ω:15mA/500ms	L-N:6A/60ms N-PE:10mA/approx. 5s	20Ω:6A/20ms
Accuracy	±3%rdg±4dgt (*1)	±3%rdg±6dgt (*1)	L-N: ±3%rdg±4dgt L-L: ±3%rdg±8dgt
PFC(L-PE)/PSC(L-N/L-L) (*2)			
Function	PSC	PFC (ATT)	PSC
Rated voltage	230V (50/60Hz)		L-N: 230V (50/60Hz) L-L: 400V (50/60Hz)
Operating Voltage	100 - 280V(45 - 65Hz)		100 - 500V(45 - 65Hz)
Range (Auto-Ranging)	2000A/20kA	2000A/20kA(L-N<20Ω)	2000A/20kA
Nominal Test Current at 0Ω External Loop: Magnitude/Duration at 230V	20Ω:6A/40ms 200Ω:2A/20ms 2000Ω:15mA/500ms	L-N:6A/60ms N-PE:10mA/approx. 5s	20Ω: 6A/20ms
Phase Rotation			
Operating Voltage	50 - 500V, 45 - 65Hz		
Remarks	Correct phase sequence : displayed "1.2.3" and ⚙️ mark Reversed phase sequence : displayed "3.2.1" and ⚙️ mark		
Volts			
Function	Volts		Frequency
Measuring range	0 - 500V		45 - 65Hz
Accuracy	±2%rdg±4dgt		±0.5%rdg±2dgt
Applicable Standards	IEC 61010-1 CAT III 300V (500V L to L) IEC 61557-1,3,7,10, IEC 60529 (IP54), IEC 61326(EMC)		
Power source	LR6/R6(AA)(1.5V) × 6 *Use of alkaline batteries (LR6) is recommended.		
Dimensions	84(L) × 184(W) × 133(D)mm		
Weight	860g (including batteries.)		
Accessories included	Main test lead (*3), Distribution board test lead (*4), 9155 (shoulder strap), 9156 (Soft case) LR6 (AA) × 6, Instruction manual		

*1: Accuracy of L-N LOOP displayed on the Sub Display is synchronized with the one at L-N/L-L function.

*2: PSC/PFC Accuracy is derived from measured loop impedance specification and measured voltage specification.

*3: 7187A:(UK)British plug, 7218A:(EU)European SHUKO plug, 7221A:(SA)South african plug, 7222A: (AU)Australian plug

*4: 7246 : Blue, Green, Red, 7247 : Black, Green, Red

Accessories



Main test lead

MODEL 7187A

MODEL 7218A (EU)European SHUKO plug

MODEL 7221A (SA)South african plug

MODEL 7222A (AU)Australian plug



Distribution board test lead

MODEL 7246 Blue, Green, Red

MODEL 7247 Black, Green, Red



MODEL 9156

Soft case