



Model 8025 LP

Digital Loop / PSC / Earth Tester



CE

Features

- Battery is not used.
- 3 ½ digit LCD (2000-count).
- Backlight function.
- 15mA loop measurement which will not trip ELCBs.
- Convenient and easier for users to measure the loop impedance directly without bypassing the wires.
- Wiring check function.
- Over temperature protection.
- Over voltage protection.
- Built-in voltmeter.
- Built-in earth tester.
- Built-in loop/psc tester.
- Safety standard: EN 61010-1 CAT III 300V, EN 61326-1

Accessories

- Instruction manual
- Test leads
- Carry case



AL-8025



TEL-EL (Optional)



Specifications

Loop Impedance

Range	Measuring range	Nominal test current at 0 Ω external loop	Accuracy
20 Ω	0.00~19.99 Ω	23A / 40ms	(2%rdg + 4dgt)
200 Ω	0.0~199.9 Ω	2.3A / 40ms	
2000 Ω	0~1999 Ω	15mA / 400ms	

Voltage Display

Measuring range	Accuracy	Remark
150~260 V	(2%rdg + 4dgt)	at 0 Ω external loop

Prospective Short-circuit Current

Range	Measuring range	Nominal test current at 0 Ω external loop	Accuracy
20 KA	0.00~4.00 KA	23A / 40ms	Consider accuracy of loop impedance
2000 A	0~1999 A	23A / 40ms	
200 A	0.0~199.9 A	2.3A / 40ms	

Instrument Layout



- (1) LCD
- (2) TEST button
- (3) Function rotary switch
- (4) Backlight button
- (5) L (LINE) terminal
- (6) N (NEUTRAL) terminal
- (7) E (EARTH) terminal

General

Temperature	0 ~ 40 °C	
System voltage	230V	+13% -15%
System frequency	50Hz	
None Battery system voltage	150V ~ 260V	
Over Temperature Protection	When overheating, the "!" symbol will show on the LCD, and the 8025LP stop measuring.	
Wiring check	P-E P-N	LEDs illuminate when the wiring polarity of circuit under test is correct
	N-E	LED is light when P and N are reversed or the Earth is not connected.
15mA Loop measurement	Loop impedance 2000Ω range measurement is carried out with low test current (15mA). The current will not cause tripping out for ELCBs.	