

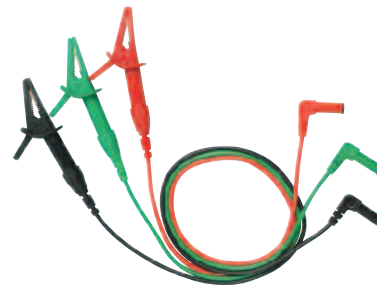
ELECTRICAL NETWORK ANALYZER

CE



4126 NA

Test leads



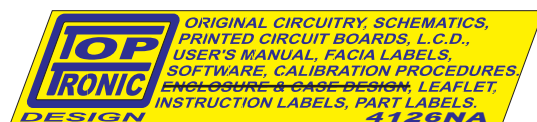
FEATURES

- 2 Lines x 16 Characters L.C.D.
- Auto-ranging / Auto-off.
- One push button operation.
- Very low consumption.
- Microprocessor controlled.
- Better than 3% accuracy (0.05-500).
- IEC/EN 61010-1 CAT III 300V

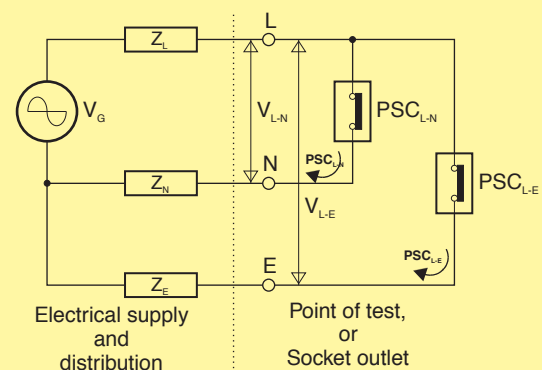
- Wiring integrity check (display + LEDs).
- Over temperature protection and indication.
- Stores previous readings.
- Measures : L-E and L-N AC voltages.
L-E and L-N Loop Impedance.
Prospective Short Circuits L-E and L-N.
Earth Spike, Line and Neutral Impedances.

SPECIFICATIONS

| | |
|---|--|
| Loops / Earth / Wires | 0.03-2000 Auto-ranging |
| Prospective Short Circuit | 0-6KA @ 230Vac |
| Operating Voltage | 50-275Vac (50 Hz) |
| Best Performance at Rated Voltage | 230Vac $\pm 20\%$ Max.10A |
| Operating Temperature | 0°C ~ 40°C |
| Operating Humidity | 20°C ~ 60°C |
| Storage Temperature | 85% Maximum |
| Storage Humidity | 85% Maximum |
| Accuracy of Voltages | $\pm 1\%$ (210~250V) $\pm 3\%$ otherwise |
| Accuracy Loops / Earth And Wires Impedances | $\pm 2\%$ (0.05~500) $\pm 3\%$ 500 $\pm 15\%$ (above 500) |
| Dimensions | 250(L) x 190(W) x 110(D)mm |
| Weight | Approx.1500g (battery included) |
| Power Source | 1.5V(AA) x 8 Batteries |
| Accessories | Test leads (AL-34) Instruction manual Shoulder belt Batteries |



Fault Finding and Analyzing the Electrical Network



- V_g = Voltage of the generator (supply transformer) (internal impedance of transformer = X-Form)
- Z_L = Impedance of the line wire from the transformer, up to the test point (Z_L displayed by Instrument also includes X-Form). If this impedance is too high, check the connections of the line wiring, check the quality of the line wiring and the switches / contacts in the line circuit.
- Z_N = Impedance of the neutral wire from the transformer, up to the test point. If this impedance is too high, check the connections of the neutral wiring, check the quality of the line wiring and the switches or contacts in the neutral circuit.
- Z_E = Impedance of the earth wire, including the earth impedance itself, as seen by the protection system. similar checking, specially at the bounding points should be done is this path impedance is too high.

STANDARD ELECTRIC WORKS CO., LTD.

NO.106, SU WEI ROAD, PAN CHIAO, TAIPEI HSIEN, TAIWAN, R.O.C.

TEL: 886-2-22563125 FAX: 886-2-22556352 886-2-82573518

http://www.sew.com.tw e-mail: sales@sew.com.tw e-mail: sew@ms10.hinet.net