SEW®

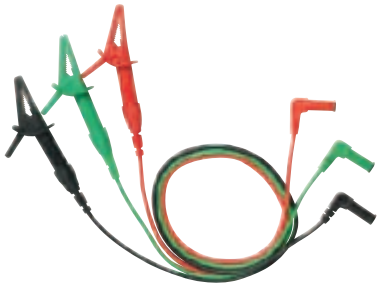
STANDARD **Test & Measuring Instruments**

ELECTRICAL NETWORK ANALYZER

CE

4126 NA

Test leads



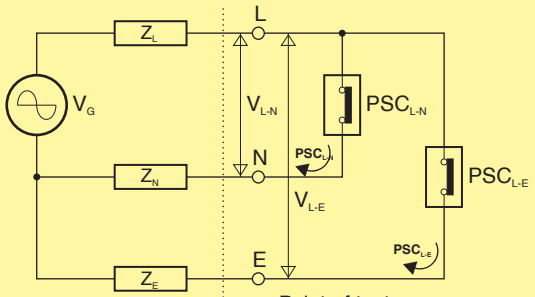
FEATURES

- 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 (0.05-50Ω).
- 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	0.03-2000Ω Auto-ranging
Prospective Short Circuit	0-6KA @ 230Vac
Operating Voltage	50-275Vac (50 Hz)
Best Performance at Rated Voltage	230Vac ±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	±1% (210~250V) ±3% otherwise
Accuracy Loops / Earth And Wires Impedances	±2% (0.05~50Ω) ±3%500Ω ±15% (above 500Ω)
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.
5F.,NO.105, Jhongcheng Rd., Tucheng Dist.,
New Taipei City 23674, Taiwan (R.O.C.)
TEL: 886-2-22681528 FAX: 886-2-22681529
http://www.sew.com.tw e-mail: sales@sew.com.tw