www.sew.com.tw

5F., NO.105, Jhongcheng Rd., Tucheng Dist. New Taipei City 23674, Taiwan (R.O.C.) TEL: 886-2-22681528 FAX: 886-2-22681529 e-mail: sales@sew.com.tw

# SEW

## **3 Wire Earth Resistance Tester**





**FEATURES** 

CE

#### Protection class: IP65 (Lid closed) (4120 ER)

- Capable of measuring earth resistance and earth voltage.
- 2mA measuring current permits the testing of earth resistance without tripping earth leakage current breakers in the circuit under test.
- The test leads are supplied as standard accessories for simplified two-wire measuring system.
- Battery operated.
- Data hold function.
- Low battery indication.
- Calibration performed with supplied test leads.

### **SPECIFICATIONS**

#### SPECIFICATIONS Earth resistance Earth resistance 0-20Ω / 0-200Ω / 0-2000Ω 0-20Ω / 0-200Ω / 0-2000Ω Measuring ranges Measuring ranges Earth voltage Earth voltage 0-200 Vac (40-500Hz) 0-200 Vac (40-500Hz) Earth resistance Earth resistance ±(2%rdg+2dgt) at 200/2000Ω $\pm$ (2%rdg+2dgt) or $\pm$ 0.1 $\Omega$ , Accuracy ±(2%rdg+0.1Ω) at 20Ω Accuracy which is greater Earth voltage ±(1%rdg+2dgt) Earth voltage ±(1%rdg+2dgt) 0-20Ω : 0.01Ω Earth resistance 0-20Ω : 0.01Ω 0-200Ω : 0.1Ω Earth resistance resolution 0-200Ω : 0.1Ω 0-2000Ω : 1Ω resolution 0-2000Ω : 1Ω Earth Resistance by constant current Measuring system Earth Resistance by constant current inverter 820Hz approx. 2mA. Measuring system inverter 820Hz approx. 2mA. Display 3<sup>1</sup>/<sub>2</sub> digit (2000 counts) Display 3<sup>1</sup>/<sub>2</sub> digit (2000 counts) Open circuit LED will be unlit indication Open circuit indication LED will be unlit Low battery Low battery indication " -+ "symbol appears on the display " 🖽 "symbol appears on the display indication " HOLD "symbol appears on the Data hold Data hold indication " HOLD "symbol appears on the display indication display Over range Over range Indication "1"(MSD) "1"(MSD) Indication Dimensions 205(L) × 90(W) × 55(D)mm 250(L) × 190(W) × 110(D)mm Dimensions Weight Weight Approx. 550g Approx. 1500g (battery included) (battery included) Power source 1.5V (AA) × 6 Power source 1.5V (AA) × 8 EN IEC 61010-1 CAT III 300V EN 61010-1 CAT III 300V EN 61557-1 EN 61557-5 Safety standard Safety standard IEC 61557-1 IEC 61557-5 EN 61326-1 EN 61326-1 Instruction manual Instruction manual Test leads(red-15m, yellow-10m, Test leads (red-15m, yellow-10m, green-5m) Accessories green-5m) Accessories Auxiliary earth spikes Auxiliary earth spikes Simplified measurement probe Simplified measurement probe **Batteries** Carry case Shoulder belt Batteries