



4-WIRE EARTH RESISTANCE & RESISTIVITY TESTER

- Optical USB to RS-232 data transmission.
- The stored data can be transferred to a PC.
- 2 optical LEDs are built-in for data transfer.
- Auto-ranging microprocessor controlled.
- Earth resistivity (ρ) test.
- Earth testing at 20Ω , 200Ω , 2000Ω .
- Earth voltage measuring : $0\sim 300V$ AC.
- Automatic C spike check.
- Automatic P spike check.
- 2-wire test, 3-wire test, 4-wire test.
- 2 Lines \times 16 Characters large LCD.
- Auto power off.
- Data hold.
- Memory save feature (up to 200 measurements)
- Interval between auxiliary earth spikes is $1.0\sim 50.0m$.
- EN 61010-1 CAT IV 300V
IEC 61557-1 IEC 61557-5
EN 61326-1



CE



CA-232

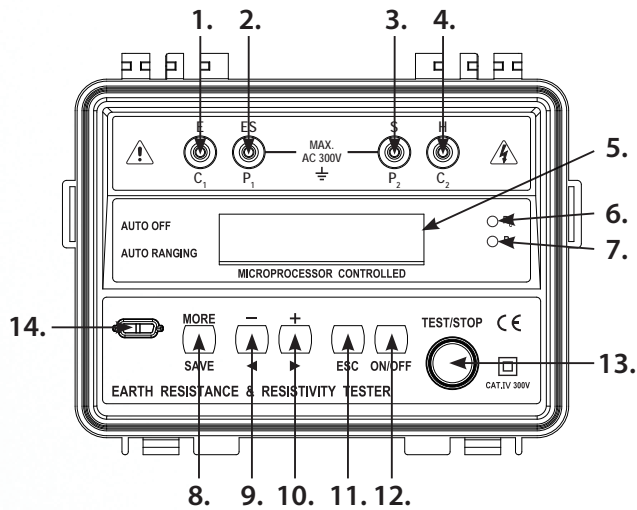
Earth Resistance measurement ranges:
 $0\sim 20\Omega$, $0\sim 200\Omega$, $0\sim 2000\Omega$



STANDARD ELECTRIC WORKS CO., LTD.
www.sew.com.tw

4236 ER

+ Instrument Layout



- | | |
|-----------------------|---|
| 1. C1 terminal | 8. SAVE button |
| 2. P1 terminal | 9. Cursor button |
| 3. P2 terminal | 10. Cursor button |
| 4. C2 terminal | 11. ESC button |
| 5. Large LCD | 12. Power button |
| 6. R _c LED | 13. TEST/STOP button |
| 7. R _p LED | 14. The connection terminal for PC interface. |

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SPECIFICATIONS

Measuring Ranges	Earth Voltage: 0~300.0V AC
	Earth Resistance: 0~20Ω / 0~200Ω / 0~2000Ω
Accuracy	Earth Resistivity: 0.06~6.28 kΩ.m 0.62~62.8 kΩ.m 6.28~628 kΩ.m ($\rho = 2 \times \pi \times L \times R$)
	Earth Resistance: ±(2%rdg+3dgt) Earth Voltage: ±(2%rdg+3dgt)
Earth Resistance Resolution	0~20Ω: 0.01Ω 0~200Ω: 0.1Ω 0~2000Ω: 1Ω
Measurement System	Earth resistance by constant current inverter 820Hz approx. 2mA
Temperature & Humidity	Operating: 0°C~50°C ≤ 80% R.H. Storage: -10°C~60°C ≤ 80% R.H.
Power Source	1.5V (AA) x 8
Dimensions	250(L) x 190(W) x 110(D)mm
Weight	Approx. 1500g (battery included)
Safety Standards	EN 61010-1 CAT IV 300V IEC 61557-1 IEC 61557-5 EN 61326-1
Accessories	Test leads (red-15m, black-10m, yellow-10m green-5m) Data transmission cable CA-232 Compact disk (CD) for PC interface Auxiliary earth spike x 4 Instruction manual Shoulder belt Carrying case Batteries

+ Accessories

