



# 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 ( $\rho$ ) test.
- Earth testing at  $20\Omega$ ,  $200\Omega$ ,  $2000\Omega$ .
- 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

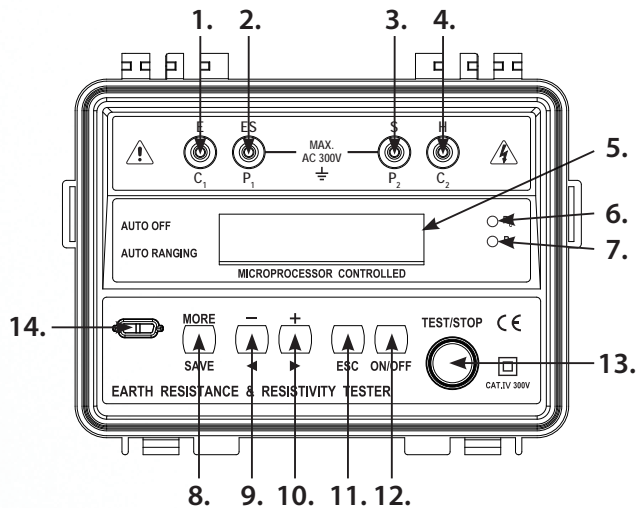
Earth Resistance measurement ranges:  
 $0\sim 20\Omega$ ,  $0\sim 200\Omega$ ,  $0\sim 2000\Omega$



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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 <sub>c</sub> LED | 13. TEST/STOP button                          |
| 7. R <sub>p</sub> LED | 14. The connection terminal for PC interface. |

# 4-WIRE EARTH RESISTANCE & RESISTIVITY TESTER



## 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 Resistance Resolution	Earth Voltage: ±(2%rdg+3dgt)
	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

