

Order Code : 20213590.1.13
Name : Advanced ground tester



Specifications:

2, 3 and 4 pole resistance measurements

- › Range: 0.001 Ω to 20.00 k Ω auto range
- › Display: 4-digit display
- › Accuracy: $\pm 0.5\%$ of reading ± 2 digits at 23 $^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- › Operational uncertainty $\pm 2\%$ of reading, ± 2 digits (meets IEC61557 operational uncertainty requirement with readings over 10 m Ω) when spike resistances are below 100 $\Omega \pm 5\%$ of reading ± 2 digits ± 10 m Ω (meets IEC61557 operational uncertainty requirement with readings over 10 m Ω)
- › Test standards: BS 7430 (Grounding); BS 62305 (Lightning); BS50122 (Railway); IEEE Standard 81
- › Test frequency: 10 Hz to 200 Hz in steps of 0.5 Hz
- › Test current: 50 mA max.
- › Maximum output voltage: Less than 50 V rms
- › Maximum interference: Up to 50 V pk to pk

3 and 4 pole ART (selective) resistance measurements

- › Range: 0.01 Ω to 10.00 k Ω auto range
- › Accuracy: $\pm 5\%$ of reading ± 3 digits at 23 $^{\circ}\text{C} \pm 2^{\circ}\text{C}$

Stakeless resistance measurement

- › Range: 0.01 Ω to 200 Ω
- › Accuracy: $\pm 7\%$ accuracy, ± 3 digits

Leakage current

- › Range: 0.00 A to 2.00 A
- › Accuracy: $\pm 5\%$ (± 3 digits)

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

TESCA TECHNOLOGIES PVT. LTD.

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Instrument specifications

- › Display: 4.3 inch QWVGA, daylight viewable backlit color
- › Operating temperature and humidity: -10 to +40 °C; 90 % RH max at +40 °C
- › Storage temperature: -20 to +60 °C
- › IP rating: IP54 operational (lid open), IP65 storage (lid closed)
- › Measurement rating: CAT IV 300 V
- › Power supply: Internal Li-ion battery or external 12-18 V, 65 W, DC supply
- › Battery life: Up to 10 hrs use
- › Battery charging time: Fast recharge to 50%, 3 hrs for 100%
- › Safety: Meets IEC 61010
- › EMC: Meets IEC 61326
- › Dimensions: L 315 x W 285 x H 181 mm
- › Weight: 4.5 kg
- › Data download: To PC through USB 2.0
- › Data storage: On board 500 record storage providing 900,000 data points downloadable as *.txt
- › USB type A: Data download to USB drive
- › USB type B: Data download to PC
- › Secondary measurement display: Noise, voltage and current
- › Resistivity calculation: Wenner: $PE = 2 \pi a RW$; Schlumberger: $PE = \pi b (b+a) R/a$
- › Test modes: Internally set 2P, 3P; ART (Selective), 4P; Stakeless (clamp) modes
- › Aux inputs: MCC1010, MVC1010
- › RoHS compliant: Yes

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