ANALOG EARTH TESTER FT3151

HIOKI

Rewind with Ease

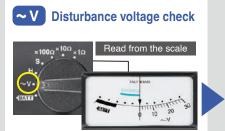
Three-electrode measurement Two-electrode measurement (simple measurement)



Thick rods had to be hammered into the ground and were difficult to remove The FT3151 uses hard, rust-resistant rods made of stainless steel

Easily rewind measurement cords, even if they're 20 m long

Ensuring safe, reliable measurement



Easily check for Disturbance voltage. Distorted Disturbance voltage can result in measurement errors, so it's important to eliminate any impact, for example by turning off electrical devices



When measuring an installation with low grounding resistance, inadequate measurement sensitivity can interfere with measurement. The FT3151 lets you check the auxiliary grounding electrode S (P), too.

Measurement Turn the knob to align the ammeter with the [igvee] mark.



Switch measurement frequencies.

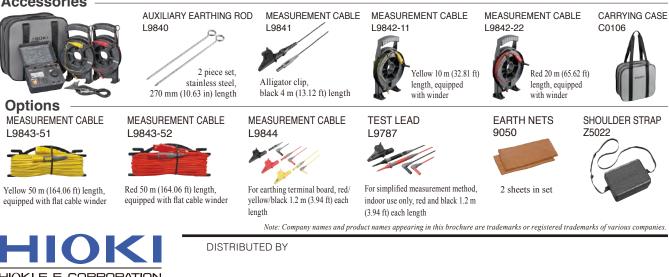


This will make the instrument less susceptible to the effects of harmonic Disturbance voltage and other conditions.

Specifications (Accuracy guaranteed for 1 year) Measurement system Two-electrode method/three-electrode method (switchable), AC potentiometer method Grounding resistance Range Display range Nominal deviation Measuring frequency: 575 Hz/600 Hz, nominal deviation: ±10 % measurement 10Ω 0 to 11.5Ω ±0.25 Ω Measurement current: Three-electrode method: 15 mA rms or less (Measurement range) ±2.5 Ω 100 Ω 115 Ω 0 to Two-electrode method: 3 mA rms or less ±25 Ω 1000 Ω $1150 \ \Omega$ Open circuit voltage: AC 50 V rms or less 0 to Disturbance voltage 0 to 30 V, nominal deviation: ±3.0 % f.s. measurement Operating temperature 0°C to 40°C (32°F to 104°F), 80 % rh or less (non-condensing) and humidity Storage temperature and -10°C to 50°C (14°F to 122°F), 80 % rh or less (non-condensing) humidity Operating environment Indoor, outdoor (excluding farmland*1) pollution degree 2, altitude up to 2000 m (6,562-ft.) Power supply LR6 Alkaline battery × 6 Approx 1100 operations (using LR6 battery), measurement conditions: 30 sec. measurement/30 sec. rest, 3-electrode method, 575 Hz, Number of uses auxiliary grounding electrode resistance of 100 Ω , measuring 10 Ω in the instrument's ×1 Ω range Maximum rated voltage to earth 300 V AC (measurement category II) anticipated transient overvoltage 2500 V Overload protection 250 V AC, 1 minute (between E - S (P), E - H (C) terminals) Safety (instrument/measurement circuitry): EN 61010, EMC: EN 61326, Grounding resistance meter: EN 61557 Applicable standards 164 (W) × 119 (H) × 88 (D) mm (6.46" W × 4.69" H × 3.46" D)(not including protrusions), 760 g (26.8 oz.)(main unit only) Dimensions and mass Auxiliary Earthing Rod L9840 (2 piece set) ×1, Measurement Cable (alligator clip, black 4 m) L9841×1, Measurement Cable (yellow 10 m, equipped with winder) L9842-11×1, Measurement Cable (red 20 m, equipped with winder) L9842-22×1, Carrying Case ×1, Accessories Protector×1, LR6 Alkaline battery ×6, Instruction manual×1 *1 According to the requirements regarding the limits for open-circuit voltage in EN 61557-5

ANALOG EARTH TESTER Model Order Code: FT3151

Accessories



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Scan for all regional contact

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