

# EARTH TESTER FT6031-50

Product warranty for 3 years  
Accuracy guaranteed for 1 year



**New**

- 2-electrode Class D
- 3-electrode Class A to D
- CAT IV 100 V, CAT III 150 V, CAT II 300 V

WIRELESS ADAPTER Z3210 (Options): Attach to enable Bluetooth® wireless technology  
Model FT6031-90 includes Z3210 as a set

With Z3210

Z3210\*

- Order code **FT6031-50**
- Order code **FT6031-90**
- Order code **Z3210**

Please see www.hioki.com for list of supported regions.

Measurement parameters	Measurement system	Two-electrode method (Class D) Three-electrode method (Class A to D)
	Range configuration : Accuracy	20 Ω (0 to 20.00 Ω): ±1.5% rdg ±8 dgt 200 Ω (0 to 200.0 Ω): ±1.5% rdg ±4 dgt 2000 Ω (0 to 2000 Ω): ±1.5% rdg ±4 dgt
	Earth potential : Accuracy	0 to 30.0 Vrms 50/60 Hz: ±2.3% rdg ±8 dgt DC: ±1.3% rdg ±4 dgt
	Operating temperature	-25°C to 65°C (non-condensating)
Other	Storage temperature	-25°C to 65°C, 80% RH or less (non-condensating)
	Dustproof and waterproof	IP65, IP67
	Standards	EN61010 (Safety, Main unit, Measuring circuit), EN61326 (EMC), EN61557 (Earth tester)
	Power supply	LR6 alkaline battery x 4
	Number of uses	500 times*1
	Dimensions (W x H x D)	185 x 111 x 44 mm (7.28 x 4.37 x 1.73 in)
Weight	570 g (20.1 oz)	

\*1 3-electrode method, measuring 10 Ω in 10-second intervals, Without Z3210

## FT6031 • FT3151

### Accessories

- C0106
- L9840
- CARRYING CASE C0106
- AUXILIARY EARTHING ROD L9840 (2 piece set)
- MEASUREMENT CABLE L9842-11 (Yellow 10 m (32.81 ft) length, equipped with winder)
- MEASUREMENT CABLE L9842-22 (Red 20 m (65.62 ft) length, equipped with winder)
- MEASUREMENT CABLE L9841 (black 4 m (13.12 ft) length)
- LR6 alkaline battery x 6
- Instruction manual

L9842-11 L9842-22

# ANALOG EARTH TESTER FT3151

Product warranty for 3 years  
Accuracy guaranteed for 1 year



- 2-electrode Class D
- 3-electrode Class A to D
- CAT II 300 V

Order code **FT3151**

Measurement parameters	Measurement system	Two-electrode method (Class D) Three-electrode method (Class A to D)
	Range configuration : Accuracy	10 Ω (0 to 11.5 Ω): ±0.25 Ω 100 Ω (0 to 115 Ω): ±2.5 Ω 1000 Ω (0 to 1150 Ω): ±2.5 Ω
	Earth potential: Accuracy	0 to 30 V: ±3.0% f.s.
	Operating temperature	0°C to 40°C, 80% RH or less (non-condensating)
Other	Storage temperature	-10°C to 50°C, 80% RH or less (non-condensating)
	Dustproof and waterproof	IP40 (EN60529)
	Standards	EN61010 (Safety, measuring circuit, probe), EN61326 (EMC), EN61557-1/-5 (Earth tester)
	Power supply	LR6 alkaline battery x 6
	Number of uses	1100 times*1
	Dimensions (W x H x D)	164 x 119 x 88 mm (6.46 x 4.69 x 3.46 in)
Weight	760 g (26.8 oz)	

\*1 30 sec. measurement/30 sec. rest, 3-electrode method, 575 Hz, auxiliary grounding electrode resistance of 100 Ω, measuring 10 Ω in the instrument's x 1 Ω range

### Options

- 1 MEASUREMENT CABLE L9843-51 50 m (164.04 ft)
- 2 MEASUREMENT CABLE L9843-52 50 m (164.04 ft)
- 3 MEASUREMENT CABLE L9844 For earthing terminal board red/yellow/black 1.2 m (3.94 ft) each
- 4 TEST LEAD L9787 For simplified measurement method
- 5 EARTH NETS 9050 2 sheets in set
- 6 SHOULDER STRAP Z5022



# CLAMP ON EARTH TESTER FT6380-50

Product warranty for 3 years  
Accuracy guaranteed for 1 year



**New**

- φ32 mm
- True RMS
- For multi-grounded systems
- CAT IV 600 V

WIRELESS ADAPTER Z3210 (Options): Attach to enable Bluetooth® wireless technology  
Model FT6380-90 includes Z3210 as a set

With Z3210

Z3210\*

- Order code **FT6380-50**
- Order code **FT6381-90**
- Order code **Z3210**

Please see www.hioki.com for list of supported regions.

### Accessories

- Carrying case
- Resistance check loop (1 Ω, 25 Ω)
- Strap
- LR06 alkaline battery x2
- Instruction manual

Carrying case Resistance check loop

### Measurements for Multi-Grounded Systems



Hazardous Storage Tanks Transmission Towers

Measurement parameters	Measurement system	Instrument has two cores for voltage injection and current measurement. Total circuit loop resistance is calculated from defined voltage and measured current.*1
	Earthing resistance range	0.20 Ω/2.00 Ω/20.00 Ω/50.0 Ω/100.0 Ω/200.0 Ω/400 Ω/600 Ω/1200 Ω/1600 Ω Guaranteed accuracy range: 0.02 Ω to 1600 Ω Accuracy: ±1.5% rdg ±0.02 Ω
	AC Current range	20.00 mA/200.0 mA/2.000 A/20.00 A/60.0 A Guaranteed accuracy range: 1.00 mA to 60.0 A Accuracy: ±2.0% rdg ±0.05 mA
	Operating temperature	-10°C to 50°C, 80% RH or less (non-condensating)
Other	Storage temperature	-20°C to 60°C, 80% RH or less (non-condensating)
	Dustproof and waterproof	IP40 (EN60529)
	Standards	EN61010 (Safety), EN61326 (EMC)
	Power supply	LR6 alkaline battery x 2
	Continuous operating time	35 hours (backlight OFF)
	Dimensions (W x H x D)	73 x 218 x 43 mm (2.87 x 8.58 x 1.69 in)
Weight	620 g (21.9 oz)	

\*1 For multi-grounded systems only. In a multi-grounded system, the larger the number of grounding poles, the more accurate the measured value.