

General specifications Product warranty period: 3 years, (Accuracy guarantee period 1 year)

Display	LCD, Max. 2,000 count Display refresh rate: Approx. 2 times/sec.
Range switching	Auto-range
Maximum measurable conductor diameter	φ32mm
Power supply	LR6 alkaline battery × 2
Continuous operating time	Approx. 40 hours (25 Ω measurement, backlight off, without Z3210 installed) Approx. 35 hours (25 Ω measurement, backlight off, with Z3210 installed and using wireless communications)
Auto-power-save	Instrument automatically turns off approx. 5 min. after last key operation.
Operating temperature and humidity range	-10°C (14°F) to 50°C (122°F), 80% RH or less (non-condensation)
Storage temperature and humidity range	-20°C (-4°F) to 60°C (140°F), 80% RH or less (non-condensation, except for the battery)
Dust-proof and waterproof	IP40 (EN60529) With Jaws Closed
Maximum rated terminal-to-ground voltage	600 VAC measurement category IV (anticipated transient overvoltage 8000 V)
Maximum input current (Current measurement)	100 AAC continuous, 200 AAC for 2 minutes (50 Hz/60 Hz)
Effects of conductor position (Current measurement)	Within ±0.5% rdg (using the center of the sensor as the reference, in all positions)
Effect of external magnetic field (Current measurement)	10 mA or less in an external magnetic field of 400 A/m at 50 Hz/60 Hz AC
Standards	Safety: EN61010, EN61557-1/-5/-13 EMC: EN61326
Dimensions	Approx. 73W × 218H × 43D mm (2.87"W × 8.58"H × 1.69"D)
Mass	Approx. 620 g (except for the battery)
Accessories	Carrying case, Resistance check loop (1Ω±2%, 25Ω±1%), Strap, LR6 alkaline battery × 2, Instruction manual
Option	Z3210 WIRELESS ADAPTER

Current mode Accuracy guarantee temperature and humidity range: 23°C±5°C (73°F±9°F), 80% RH or less (no condensation)

Range	Accuracy Range	Resolution	Accuracy	
			45Hz≤f≤66Hz Specified by filter ON/OFF.	30Hz≤f<45Hz, 66Hz<f≤400Hz Only filter off is specified.
20.00 mA	1.00 mA to 20.00 mA	0.01 mA	±2.0% rdg±0.05 mA	±2.5% rdg±0.05 mA
200.0 mA	18.0 mA to 200.0 mA	0.1 mA	±2.0% rdg±0.5 mA	±2.5% rdg±0.5 mA
2.000 A	0.180 A to 2.000 A	0.001 A	±2.0% rdg±0.005 A	±2.5% rdg±0.005 A
20.00 A	1.80 A to 20.00 A	0.01 A	±2.0% rdg±0.05 A	±2.5% rdg±0.05 A
60.0 A	18.0 A to 60.0 A	0.1 A	±2.0% rdg±0.5 A	±2.5% rdg±0.5 A

Current measurement filter function Cutoff frequency 180Hz±30Hz (-3dB)

Zero suppression 0.05 mA less than

Resistance mode Accuracy guarantee temperature and humidity range: 23°C±5°C (73°F±9°F), 80% RH or less (no condensation)

Range	Accuracy Range	Resolution	Accuracy
0.20 Ω	0.02 Ω to 0.20 Ω	0.01 Ω	±1.5% rdg±0.02 Ω
2.00 Ω	0.18 Ω to 2.00 Ω	0.01 Ω	±1.5% rdg±0.02 Ω
20.00 Ω	1.80 Ω to 20.00 Ω	0.01 Ω	±1.5% rdg±0.05 Ω
50.0 Ω	18.0 Ω to 50.0 Ω	0.1 Ω	±1.5% rdg±0.1 Ω
100.0 Ω	50.0 Ω to 100.0 Ω	0.1 Ω	±1.5% rdg±0.5 Ω
200.0 Ω	100.0 Ω to 200.0 Ω	0.2 Ω	±3.0% rdg±1.0 Ω
400 Ω	180 Ω to 400 Ω	1 Ω	±5% rdg±5 Ω
600 Ω	400 Ω to 600 Ω	2 Ω	±10% rdg±10 Ω
1200 Ω	600 Ω to 1200 Ω	10 Ω	±20% rdg
1600 Ω	1200 Ω to 1600 Ω	20 Ω	±35% rdg

Measurement frequency Approx. 2,400Hz

Zero suppression 0.02 Ω less than

Alarm function (Beeps when measured value is less than or greater than threshold.)

Alarm HI/LO	Separate HI/LO settings for resistance measurement and current measurement
	Resistance measurement: HI/LO Current measurement: HI/LO
Alarm threshold setting range	Resistance measurement: 0.02 Ω to 1600 Ω Initial value 25.0 Ω
	Current measurement: 0.05 mA to 200.0 mA, 0.201 A to 60.0 A Initial value: 1.00 mA

Model name

Model name	Model No. (Order Code)
CLAMP ON EARTH TESTER	FT6380-50
CLAMP ON EARTH TESTER/ WIRELESS ADAPTER	FT6380-90

Option



Model name	Model No. (Order Code)
WIRELESS ADAPTER	Z3210

Package Contents



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