



1-Year Limited Warranty.
See the Users Manual for the full warranty.

Contact Fluke

Fluke Corporation operates worldwide. For local contact information, go to our website: www.flukenetworks.com.

To register your product, or to view, print, or download the latest manual or manual supplement, go to our website.

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A **Warning** identifies hazardous conditions and procedures that are dangerous to the user. A **Caution** identifies conditions and procedures that can cause damage to the Product or the equipment under test.

Warning

To prevent possible electrical shock, fire, or personal injury:

- **Read all safety information before you use the Product.**
- **Carefully read all instructions.**
- **Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.**



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Specifications are subject to change without notice.

All product names are trademarks of their respective companies.

- Do not use the Product if it operates incorrectly.
- Do not use the Product if it is altered or damaged.
- The tester is not intended to be connected to active telephone inputs, systems, or equipment, including ISDN devices. Exposure to the voltages applied by these interfaces may damage the tester and create a potential shock hazard.
- Use caution when working in potentially hazardous locations such as an elevated location on a ladder or roof top, especially if work is occurring in proximity to a lightning storm. Also use caution if external communication cables are run at length in parallel to electrical power installation cables. These types of installations may expose communication cables to coupled electrical transients that could be accessible on exposed conductive parts of the equipment during operation. While in general these transients are not expected to be an electric shock hazard, startle reaction from these transients could lead to a secondary hazard such as loss of balance and lead to a fall or other injury. To reduce risk of exposure, limit contact to accessible conductive parts of I/O terminals during operation.
- Use only Fluke Networks approved power adapters to charge the battery.
- Batteries contain hazardous chemicals that can cause burns or explode. If exposure to chemicals occurs, clean with water and get medical aid.
- Do not disassemble the battery.
- Do not put battery cells and battery packs near heat or fire. Do not put in sunlight.
- Do not disassemble or crush battery cells and battery packs.
- Do not short the battery terminals together.
- Use only the external mains power supply included with the Product.
- Disconnect the battery charger and move the Product or battery to a cool, non-flammable location if the rechargeable battery becomes hot (>50 °C) during the charge period.
- Replace the rechargeable battery after 5 years of moderate use or 2 years of heavy use. Moderate use is defined as recharged twice a week. Heavy use is defined as discharged to cutoff and recharged daily.
- To activate the input protection circuitry of the Product, turn on the Product before you connect a cable to the Product.
- During a test, do not connect a cable to the Product.
- During a test, do not disconnect a cable from the Product.
- Have an approved technician repair the Product.

Symbols

The table below lists the symbols that can be used on the Product or in this document.

Symbol	Description
	Consult user documentation.
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	Conforms to European Union directives.
	Conforms to the Appliance Efficiency Regulation (California Code of Regulations, Title 20, Sections 1601 through 1608), for small battery charging systems.
 Li-Ion	This Product contains a lithium-ion battery. Do not mix with the solid waste stream. Spent batteries should be disposed of by a qualified recycler or hazardous materials handler per local regulations. Contact your authorized Fluke Service Center for recycling information.
	This product complies with the WEEE Directive marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste.

Specifications

Size	114 mm x 213 mm x 48 mm
Weight	<1 kg
Battery	Lithium-ion
Ac adapter	Class II
Input	100 Vac to 240 Vac \pm 10 %, 50/60 Hz
Output	5 Vdc, 2 A max
Temperature	
Operating	0 °C to 45 °C (32 °F to 113 °F)
Storage	-20 °C to 50 °C (-4 °F to 122 °F)
Charging	0 °C to 40 °C (32 °F to 104 °F)
Altitude	
Operating	4000 m
Storage	12 000 m

Relative humidity	0 % to 90 %, 0 °C to 35 °C (32 °F to 95 °F) 0 % to 70 %, 35 °C to 45 °C (95 °F to 113 °F) Uncontrolled: <0 °C non-condensing
Safety	IEC 61010-1: Pollution Degree 2
Electromagnetic Compatibility (EMC)	
International	IEC 61326-1: Basic Electromagnetic Environment, CISPR 11: Group 1, Class A <i>Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.</i> <i>Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.</i> <i>Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.</i>
Korea (KCC)	Class A Equipment (Industrial Broadcasting & Communication Equipment) <i>Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.</i>
USA (FCC)	47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

Documentation and Software Licensing Notice

CDs or other computer media are no longer included in the box.

For user documentation, go to www.flukenetworks.com/products.

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Open Source Request

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Please include:

- Your full name
- Your company name
- Product model, serial number, and software revision level
- Your return mailing address
- Your email address (if available)

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