

BP1770

Li-ion Battery Pack

Safety Information

Go to www.fluke.com to register your Product, read the User Manual, and find more information.

A **Warning** identifies 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 battery.**
- **Use the battery only as specified, or the protection supplied by the battery can be compromised.**
- **Remove the battery if not used for an extended period of time, or if stored in temperatures >50 °C. If the battery is not removed, battery leakage can damage the test tool.**
- **The battery door must be closed and locked before you operate the test tool.**
- **Carefully read all instructions in this instruction sheet.**
- **Do not use the battery around explosive gas, vapor, or in damp or wet environments.**
- **Do not use the battery if it operates incorrectly.**



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- **Examine the case before you use the test tool. Look for cracks or missing plastic. Carefully look at the insulation around the terminals.**
- **Do not use the battery if it is damaged.**
- **Remove all probes, test leads, and accessories from the test tool before the battery door is opened.**
- **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.**
- **Use only Fluke approved power adapters to charge the battery.**
- **Do not disassemble or crush battery cells and battery packs.**
- **Do not put battery cells and battery packs near heat or fire. Do not put in sunlight.**
- **Use only specified replacement parts.**

⚠ Caution

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.

Safety Specifications

Battery Type^[1] Li-ion 3.65 V, 14.6 Whr

Operating Temperature

Charge Temperature with external charger -30 °C to 85 °C

Discharge -40 °C to 85 °C

Storage Temperature

Overall -40 °C to 85 °C

Recommended 15 °C to 30 °C

Weight 116 g

Dimensions 75.0 mm x 51.0 mm x 20.0^[2] mm

Safety UL1642, IEC62133 Ed. 2

Transport UN 3480, UN 3481






[1] Fluke BP1770 is an MP 174565 xtd (P/N 7051P) battery manufactured by Saft S.A.

[2] The thickness can vary between 18.6 mm and 22 mm with the state of charge, age, and temperature. This is normal. A thickness of 19.3 mm at room temperature indicates an aged battery and you should consider a replacement.

Installation

Refer to the user manual for the Product to find information about how to install the battery.

Symbols

Symbol	Description
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	Consult user documentation.
 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.

LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for one year from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

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