FLUKE®

789
ProcessMeter
Safety Information

A **Warning** identifies conditions and procedures that are dangerous to the user.

⚠⚠ Warning

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

- **Read “Safety Information” before using the meter.**
- **Do not use the meter if it is damaged. Before using the meter, inspect the case. Look for cracks or missing plastic. Pay particular attention to the insulation surrounding the connectors.**
- **Make sure the battery door is closed and latched before operating the meter.**
- **Remove test leads from the meter before opening the battery door.**
- **Inspect the test leads for damaged insulation or exposed metal. Check test lead continuity. Replace damaged test leads before using the meter.**
- **Do not use the meter if it operates abnormally. Protection may be impaired. When in doubt, have the meter serviced.**
- **Do not operate the meter around explosive gas, vapor, or dust.**
- **Do not use in a damp or wet environment.**
- **Use only type AA batteries, properly installed in the meter case, to power the meter.**
- **When servicing the meter, use only specified replacement parts.**
- **Use caution when working above 30 V ac rms, 42 V ac pk, or 60 V dc. Such voltages pose a shock hazard.**
- **When using the probes, keep fingers behind the finger guards on the probes.**
- **Connect the common test lead before connecting the live test lead. When disconnecting test leads, disconnect the live test lead first.**

- **Do not use AutoHold to determine if dangerous voltage is present. AutoHold will not capture unstable or noisy readings.**
- **To avoid false readings, which could lead to possible electric shock or personal injury, replace the battery as soon as the battery indicator (+▬) appears.**
- **Remove test leads from the meter before opening the battery door.**
- **Close and latch the battery door before using the meter.**
- **To avoid personal injury or damage to the meter, use only the specified replacement fuse, 440 mA 1000 V fast-blow, Fluke PN 943121.**
- **When the TL175 is used with instruments or other accessories, the lowest category rating of the combination applies. One exception is when the probe is used with the AC172 or AC175.**

Safety Specifications

Battery Type: 1.5 V, 0-15 mA, AA, Alkaline

Temperature:

Operating temperature: -20 °C to 55 °C

Storage temperature: -40 °C to 60 °C

Altitude: Operating altitude: 2000 meters maximum

Frequency Overload Protection: 10^6 V Hz max

Symbols

Symbol	Description
⚠	Risk of Danger. Important information. See Manual.
CE	Conforms to European Union directives
C SP US	Conforms to relevant North American Safety Standards
▬	Battery
⚠	Hazardous voltage
N10140	Conforms to relevant Australian EMC requirements
▭	Fuse
CAT III	Measurement Category III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.
CAT IV	Measurement Category IV is applicable to test and measuring circuits connected at the source of the building's low-voltage MAINS installation.
⧈	Double Insulation
~	Alternating current
⎓	Direct current
To 610101 2nd Edition	Meets Underwriters' Laboratories safety requirements
⏚	Earth ground
TÜV	Inspected and licensed by TÜV Product Services
	This product complies with the WEEE Directive (2002/96/EC) 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.