

TECHNICAL DATA

Fluke PRV240FS Proving Unit

For use with T6 Electrical Testers,
DMMS and current clamps



REDUCES RISK

Reduces the risk of shock and arc flash risk hazard

BATTERY LIFE

2000 tests per set of four AA batteries

SIMPLE TO USE

Single switch selects mode, LEDs indicate functionality

SAFETY RATING

IEC61010-1, IEC61010-2-030

WARRANTY

One-year

Unique, compact, convenient

The Fluke PRV240FS Proving Unit is a portable, pocket-sized, battery-powered voltage source. It is specifically built to prove the functionality of the FieldSense measurement on the T6 electrical testers. It also provides ac and dc voltages for other HiZ instruments in your tool box.

Designed for safety and compliance

The Fluke PRV240FS provides a safe method to verify that your T6 electrical tester is operating properly before you conduct any live tests. The concept of "Test Before Touch" (TBT) involves testing your T6 against a known live source before and after the actual measurement. This sequence verifies that your test tool is operating properly during the actual measurement.

Verify your test tool without unnecessary exposure to shock and arc flash. Using the PRV240FS reduces the need for personal protective equipment (PPE) when a known voltage source is not available for verification of your tester or multimeter before test before TBT are performed. PPE is still needed for absence of voltage testing when appropriate.

Key benefits

- Using the PRV240FS reduces the risk of shock and arc flash by validating the functionality of test tools without placing yourself in a potentially hazardous electrical environment.
- Can prove functionality of the FieldSense measurement on the T6 electrical testers
- Sources both ac and dc steady-state voltage—supplies 240 V dc/ac.
- A single switch and a set of LEDs indicate functionality of both the FieldSense "no-test-lead" voltage measurement capability, plus standard ac and dc measurements with test leads. This unit is a simple-to-use solution for complying with TBT verification of your test tools.
- Compatible with high impedance multimeters or clamp meters.
- Voltage is sourced through a central hub designed to test the T6 FieldSense open fork, as well as through recessed contacts that are activated when test probes are inserted to avoid accidental contact
- Includes TPAK magnetic hanging strap
- Long battery life—2000 tests per set of four AA batteries (10 second test average)



Specifications

Output voltage	240 V ac rms or dc	$\pm 10\% \geq 1\text{ M}\Omega$
LED power indicators	Turns on when output voltage is present	
Battery	4 x AA Alkaline batteries NEDA 15 A IEC LR6	
Battery life	2000 (10-second duration) test cycles with $>1\text{ M}\Omega$ load	
Operating temperature	$-10\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$	
Operating humidity	0 % to 90 % ($0\text{ }^{\circ}\text{C}$ to $35\text{ }^{\circ}\text{C}$)	0 % to 70 % ($35\text{ }^{\circ}\text{C}$ to $55\text{ }^{\circ}\text{C}$)
Operating altitude	2000 m	
Dimensions	11.7 cm x 7.4 cm x 4.5 cm (4.6 in x 2.9 in x 1.75 in)	
Weight	0.32 kg (12 oz) includes batteries	
Safety	IEC61010-1, IEC61010-2-030	
Warranty	One-year	
Electromagnetic Compatibility (EMC)	<p>IEC 61326-1: Controlled Electromagnetic Environment CISPR 11: Group 1, Class A</p> <p>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.</p> <p>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.</p> <p>Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.</p> <p>Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.</p>	
	US (FCC)	47 CFR 15 subpart B, this product is considered an exempt device per clause 15.103
	Korea (KCC)	<p>Class A Equipment (Industrial Broadcasting & Communication Equipment)</p> <p>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.</p>
This product meets requirements for industrial (Class A) 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.		

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Ordering information

PRV240FS Proving Unit **Included:**

TPAK hanging strap, four AA batteries, instruction sheet

Kits

T6-1000/PRV240FS T6-1000 + PRV240FS Proving Unit

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Output voltage	240 V ac rms or dc	$\pm 10\% \geq 1\text{ M}\Omega$
LED power indicators	Turns on when output voltage is present	
Battery	4 x AA Alkaline batteries NEDA 15 A IEC LR6	
Battery life	2000 (10-second duration) test cycles with $>1\text{ M}\Omega$ load	
Operating temperature	$-10\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$	
Operating humidity	0% to 90% ($0\text{ }^{\circ}\text{C}$ to $35\text{ }^{\circ}\text{C}$)	0% to 70% ($35\text{ }^{\circ}\text{C}$ to $55\text{ }^{\circ}\text{C}$)
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	US (FCC)	47 CFR 15 subpart B, this product is considered an exempt device per clause 15.103
	Korea (KCC)	<p>Class A Equipment (Industrial Broadcasting & Communication Equipment)</p> <p>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.</p>
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