

TECHNICAL DATA

# Fluke PRV240 Proving Unit



**REDUCES RISK**

*Reduces the risk of shock and arc flash risk hazard*

**BATTERY LIFE**

*5,000 tests per set of four AA batteries*

**SIMPLE TO USE**

*Single LED indicates functionality*

**SAFETY RATING**

*IEC61010-1, IEC61010-2-030*

**WARRANTY**

*One-year*

**Unique, compact, convenient**

The Fluke PRV240 Proving Unit is a portable, pocket-sized, battery-powered voltage source. It is unique in that it sources stable ac and dc voltages for both LoZ and HiZ instruments.

**Designed for safety and compliance**

The Fluke PRV240 provides a safe method to verify that your electrical test tool is operating properly before you conduct any live tests. The concept of “Test Before Touch” (TBT) involves testing your meter 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 PRV240 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 PRV240 reduces the risk of shock and arc flash by validating the functionality of test tools without placing yourself in a potentially hazardous electrical environment
- Sources both ac and dc steady-state voltage—supplies 240 V dc/ac
- A single LED indicates functionality, making this unit a simple-to-use solution for complying with TBT verification of your test tool
- Compatible with both high impedance or low impedance multimeters, clamp meters or two pole testers
- Voltage is sourced through recessed contacts that are activated when tested probes are inserted to avoid accidental contact
- Includes TPAK magnetic hanging strap
- Long battery life—5,000 tests per set of four AA batteries



## Specifications

|  |   |  |
|--|---|--|
| <b>Output voltage</b>                      | 240 V ac rms or dc<br>LoZ >3 kΩ load  | ± 10% ≥ 1 MΩ<br>60 V ac typical<br>50 V ac rms minimum   |
| <b>LED power indicator</b>                 | Turns on when output voltage is present   |  |
| <b>Battery</b>                             | 4 AA Alkaline batteries NEDA  | 24 A IEC LR03  |
| <b>Battery life</b>                        | 5000 (5-second duration) test cycles with >1 MΩ load, 300 tests minimum with >3 kΩ load   |  |
| <b>Operating temperature</b>               | -10 °C to +50 °C  |  |
| <b>Operating humidity</b>                  | 0% to 90% (0 °C to 35 °C)   | 0% to 70% (35 °C to 55 °C)   |
| <b>Operating altitude</b>                  | 2000 m  |  |
| <b>Dimensions</b>                          | 11.7 cm x 7.4 cm x 2.8 cm (4.6 in x 2.9 in x 1.1 in), Pollution Degree 2  |  |
| <b>Weight</b>                              | 0.23 kg (8 oz) includes batteries   |  |
| <b>Safety</b>                              | IEC61010-1, IEC61010-2-030  |  |
| <b>Warranty</b>                            | One-year  |  |
| <b>Electromagnetic Compatibility (EMC)</b> | IEC 61326-1<br>US (FCC)<br>Korea (KCC)  | Portable EM environment; CISPR 11, Group 1, Class A<br>47 CFR 15 subpart B, this product is considered an exempt device per clause 15.103<br>Class A Equipment (Industrial Broadcasting & Communication Equipment) |
|  | 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. |  |

## Ordering information

**PRV240** Proving Unit

### Included

TPAK hanging strap, four AA batteries, instruction sheet

### Kits

**FLK-3000FC/PRV240** 3000FC DMM

+ PRV240 Proving Unit Kit

**FLUKE-87V/PRV240** FLUKE-87V DMM

+ PRV240 Proving Unit Kit

**FLUKE-117/PRV240** FLUKE-117 DMM

+ PRV240 Proving Unit Kit

**FLUKE-376/PRV240** FLUKE-376 CLAMP

+ PRV240 Proving Unit Kit

**FLUKE-T5-1K/PRV240** FLUKE-T5-1000

+ PRV240 Proving Unit Kit

**FLUKE-T150/PRV240** FLUKE-T150

+ PRV240 Proving Unit Kit

**Fluke.** *Keeping your world up and running.*®