# 810
## Vibration Tester

## Safety Information




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

To register your product, or to view, print, or download the latest manual or manual supplement, go to: www.fluke.com/productinfo.

## Safety Information

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.**

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Fluke Corporation
6920 Seaway Blvd
Everett WA 98203
U.S.A.

Fluke Europe B.V.
P.O. Box 1186
5602 BD Eindhoven
The Netherlands

- **Do not use the Product if it operates incorrectly.**
- **Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.**
- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**
- **Disable the Product if it is damaged.**
- **Have an approved technician repair the Product.**
- **Use only specified replacement parts.**
- **Remove all probes, test leads, and accessories that are not necessary for the measurement.**
- **Do not short the battery terminals together.**
- **Do not disassemble or crush battery cells and battery packs.**
- **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.**
- **Disconnect the battery charger and move the Product or battery to a cool, non-flammable location if the rechargeable battery becomes hot (>40 °C) during the charge period.**
- **Ensure the battery is securely in place before operation.**
- **Use care when using product around moving machinery.**

## 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. |

| Symbol | Description |
|---|---|
| ⚠ | WARNING. HAZARDOUS VOLTAGE. Risk of electric shock. |
| CE | Conforms to European Union directives. |
| Li-Ion | This product contains a Lithium-ion battery. Do not mix with 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 and its marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Do not dispose of this product as unsorted municipal waste. For information about take-back and recycling programs available in your country, see the Fluke website. |

## Specifications

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|---|---|
| **Size** | 186 mm x 70 mm x 267 mm (7.30 in x 2.76 in x 10.52 in) |
| **Weight** | 1.9 kg (4.2 lbs) |
| **Ac Adapter** | |
| Input | 100 V ac to 240 V ac, 50 Hz to 60 Hz, 1.0 A |
| Output | 24 V dc |
| **Battery** | Fluke SBP810 Smart Battery Pack |
| **Temperature** | |
| Operating/ Battery discharge | 0 °C to 50 °C (32 °F to 122 °F) |
| Storage | -20 °C to 60 °C (-4 °F to 140 °F) |
| Charging | 0 °C to 40 °C (32 °F to 104 °F) |
| **Relative humidity** | 10 % to 90 %, non-condensing |
| **Altitude** | 2000 m |

| | |
|---|---|
| **Ingress Protection** | IEC 60529: IP54, with all ports covered |
| **Safety** | IEC 61010-01: Pollution Degree 2 |

**Electromagnetic Compatibility (EMC)**

| | |
|---|---|
| International | IEC 61326-1: Industrial Electromagnetic Environment, CISPR 11: Group 1, Class A |

*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.*

*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.*

*Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.*

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| Korea (KCC) | Class A Equipment (Industrial Broadcasting & Communication Equipment) |

*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.*

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|---|---|
| USA (FCC) | 47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103. |