

## PS 1500

### 15kV Impulse Voltage Generator

■ The **PS 1500** generator is fully compliant to the IEC, EN and UL requirements for safety testing of ITE, Audio, Video and similar equipment and components used in this kind of equipment. Clause 10 of the **IEC/EN 60065** standard specifies tests on equipment insulation, clause 14 is written to test the insulation of components. Section 7 of the **IEC/EN 60950-1** standard specifies tests on IT-Equipment intended to be connected to outdoor antennas. Clause 16 of **UL 1414** specifies surge tests for line-by-pass and antenna coupling components. The intention of these standards is to avoid the risk of injury or damage caused by voltage surges from thunderstorms.

**In all standards,** impulses with the following parameters are defined:

- 50 impulses
- 12 per minute maximum
- 1nF capacitor charged to 10kV.



#### ■ Technical Specifications

Impulse voltage	0.5 – 15kV
Trigger mode	Manual and Automatic
Impulse repetition	1, 2, 3, 4, 6, 12, 24 per minute
Impulse counter	1 – 9999
Weight	Approx. 5kg

#### ■ Ordering Information

PS 1500 Art. No. 249817

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#### ■ Features

- Impulse counter
- Repetition up to 24 pulses / minute
- External trigger input
- Impulse voltage and flash monitor
- Handy test pistol included

#### ■ Benefits

**International application** – Specifically designed to meet and exceed the requirements of IEC, EN, and UL tests for ITE, Audio and Video applications.

**Comfortable to use** – A light weight “pistol” type probe transfers the surge into the test object.

**Reduced operator workload** – PS 1500 has all operator accessible controls on the main unit. These include a large LCD display and switches to change polarity, repetition rate and discharge voltage.

#### ■ Applications

Safety testing of Radio, Television and similar equipment and of components used in this kind of equipment. Standards:

- IEC/EN60065
- IEC/EN 60950-1
- UL 1414

Voltage resolution	50 volt steps
Surge polarity	Positive & Negative
Supply voltage	85 – 264V 50/60Hz
Imp. voltage monitor	1000:1
Dimensions	225 x 190 x 360 mm