

PS 1500

15 kV 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.



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

TECHNICAL SPECIFICATIONS

Impulse voltage	0.5 – 15kV	Voltage resolution	50 volt steps
Trigger mode	Manual and Automatic	Surge polarity	Positive & Negative
Impulse repetition	1, 2, 3, 4, 6, 12, 24 per minute	Supply voltage	85 – 264V 50/60Hz
Impulse counter	1 – 9999	Imp. voltage monitor	1000:1
Weight	Approx. 5kg	Dimensions	225 x 190 x 360 mm

SCOPE OF SUPPLY

PCS	ARTICLE	PART NUMBER
1	PS 1500 Voltage Impulse generator	2498171
1	Test pistol	included
1	Mains cable 10A country specific, 2m	included
1	Earth cable (banana plug 4mm), 2m	included
1	User Manual	included

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