

VSS 500N10

VOLTAGE SURGE SIMULATOR



FOR TESTS ACCORDING TO ...

- › EN 60065
- › EN 60950-1
- › IEC 60065
- › IEC 60950-1
- › UL 6500

VOLTAGE SURGE SIMULATION

As per safety test requirements the insulation between accessible parts or parts connected to them and hazardous live parts shall be able to withstand surges due to transients, caused e.g. by lightning events and entering the apparatus through the antenna terminal. The voltage surge simulator VSS 500N10 generates high voltage transients as required by EN/IEC 60065 and UL 6500 standards for safety tests on audio, video and similar electronic apparatus.

Such test is also required by EN/IEC 60950-1 for safety testing of Information Technology equipment.

HIGHLIGHTS

- › Surge voltage up to 10kV
- › Generator designed to comply with IEC 60065
- › Generator designed to comply with UL 6500
- › Interlock
- › Warning lamp control
- › Manual operation
- › USB (optical link) and GPIB interface

APPLICATION AREAS

-  COMPONENTS
-  INDUSTRY
-  RESIDENTIAL
-  BROADCAST
-  TELECOM

TECHNICAL DETAILS

VOLTAGE SURGE SIMULATOR, PULSE AS PER IEC 60065

Voltage (o.c.)	500V - 10,000V ± 10%
Surge capacitor	1nF
Series resistor	1,000ohm
Parallel resistor	>15Mohm
Polarity	Positive
Event counter	1 - 30,000 or endless

TRIGGER

Automatic	Automatic pulse release
Manual	Single pulse release
External	External pulse release
CRO trigger	5V trigger signal for oscilloscope
Pulse repetition rate	max. 1Hz (1s - 999s)

OUTPUT

Direct	Via HV connector; Zi = 1,000ohm
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TEST ROUTINES

Quick Start	Parameters online adjustable; easy-to-use and fast
User Test routines	Change Polarity after n pulses Change voltage after n pulses
Service	Service, set-up, self test

INTERFACE

Optical interface	Opto link, 3 m cable USB A connector
Parallel interface	IEEE 488, addresses 1 - 30

SAFETY

Safety circuit	Control input (24Vdc)
Warning lamp	Floating output contact

GENERAL DATA

Dimensions, weight	19"/3HU, approx. 12kg
Supply voltage	115/230V +10/-15%
Fuses	2 x 2AT (230V) or 2 x 4AT (115V)

COMPETENCE WHEREVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.