

VSS500M/12

Voltage Surge Simulator for Safety and Isolation Testing

The VSS500M/12 generates a 12kV 1.2/50 surge pulse used for safety and isolation testing. It is useful for testing circuit breakers according to IEC 23, semiconductors according to IEC 47, watt-hour meters according to IEC 521, resistors and capacitors according to IEC384-14 and creepage testing per IEC 664. The generator output is defined for open circuit conditions only.

SPECIFICATIONS VSS500M/12

GENERATOR CHARACTERISTICS

Output Voltage (open circuit)	max 12.0kV \pm 10%
Pulse rise time	1.2 μ s \pm 30 %
Pulse time to half value	50 μ s \pm 20 %
Internal resistor	500 Ω
Polarity	Positive, negative
Counter select	1 – 30,000 / Endless
Pulse counter	1 – 1 ,000,000

TRIGGER

Automatic	Release of the pulses according to the settings
Manual	Release of a single pulse via function key
External	Release of a single pulse by an external trigger signal
Synchronization	0° - 360°

OUTPUTS

Direct	via HV connector
CRO Trigger	5 V Trigger signal
CRO Vout	10 Vp at 12.0 kV

SURGE DISPLAY

In the LCD Display Impulse Peak-Voltmeter 12.0 kV \pm 10%



TEST ROUTINES

Quick Start	Immediate Test, all parameters adjustable online
User Defined Test Routines	Change Polarity after n Pulses Change Voltage after n Pulses by dV Change Angle after n Pulses by Da

SAFETY

Security Warning	Circuit Control Input (24V DC) Lamp Floating Contact
------------------	---

GENERAL DATA

Dimensions, Supply Voltage, Interfaces	Weight 19" / 3 HU, app. 25 kg 115 V / 230 V + 10 / - 15 % RS 232 and IEEE 488.2
--	---

050801

For the AR/EM Test Connection, call AR at 215 723 8181 or go to www.amplifiers.com



EM TEST