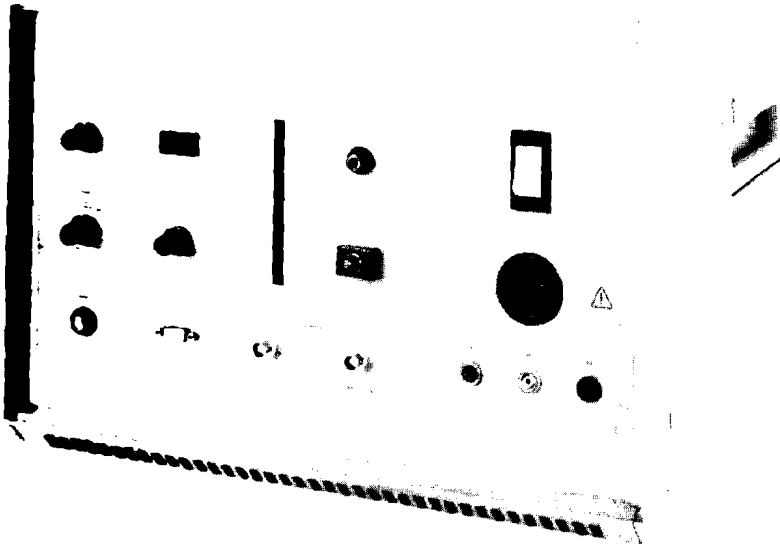


ms-SURGE GENERATOR

NSG 560

OPERATING INSTRUCTIONS



7 Technical specifications

Pulse amplitude	0 ... 800 V (open-circuit)
Setting and display accuracy	5%
Pulse rise time, t_r	0.1 ms approx. (load-dependent)
Pulse width, t_p	0.3 ms (-10%, +25%) to 1.3 ms (-5%, +15%) open-circuit, settable in five steps
Phase angle	$5^\circ \dots \leq 100^\circ$
Internal impedance	0.1 ... 0.2 Ω approx. (dynamic)
Mains coupling	Semiconductor network. Remanent pulse on the power input, practically 0
EUT power input	100 ... 230 Vac nominal, 260 Vac max. 16 A, 50/60 Hz
Generator power input	115/230 Vac +15%/-20%, 50/60 Hz
Power consumption	380 VA approx.
Inputs/outputs	<ul style="list-style-type: none"> - IEC instrument connector for the generator power input - Interlock and warning lamp connector (8-pin) - 16 A instrument connector for the EUT power input - EUT supply outlet (mains socket / safety laboratory sockets) - Ext. trigger (TTL-level) for pulse triggering - Voltage monitor, attenuated 100:1, BNC, electrically isolated

Operating and display elements

- Mains switch with indicator
- 2-pole switch for EUT supply
- 16 A circuit breaker
- Capacitor selector switch
- Multi-turn potentiometer for pulse voltage setting
- Infinitely variable potentiometer for phase setting
- Key-switch to lock the pulse triggering facility
- Push button for pulse triggering
- DVM for pulse amplitude display
- Bar-display for charge voltage

Dimensions (W x H x T) 449 x 310 x 510 mm
 (17.7" x 12.2" x 20")

Weight 30 kg (66 lbs) approx.

Right reserved to make changes in the interest of technical advancement.