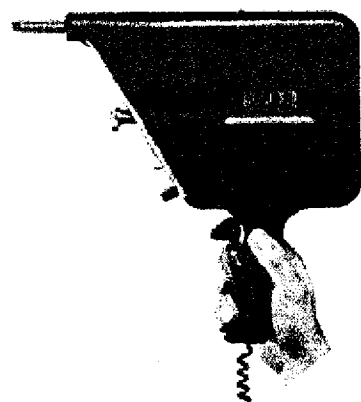


ESD Simulator Systems

NSG 431 - for static discharges up to 21kv

The **NSG 431** ESD Simulator generates electrostatic discharges of up to **21kv** in a defined and reproducible form. The instrument is modularly constructed so that the wide choice of networks can be easily interchanged. The instrument is hence suitable for testing for conformity with various standards. An extensive range of accessories accompanies the product.



- Fulfils standards such as IEC, ANSI-IEEE, VDE, NAMAR, MIL and SAE.
- H and E-field adapters.
- Relay unit (contact discharge adapter).
- Battery pack, mains power supply with preset counter.
- Standard and special discharge networks.

TECHNICAL DATA

Discharge voltage U_0	: 2kV to 21 kV $\pm 10\%$
Rise Time	: 5 ns $\pm 30\%$ at 2kV
Half amplitude width	: 30 ns $\pm 30\%$ at 2kV
Polarity	: positive *
Discharge condenser C_0	: 150 pF * $\pm 10\%$
Discharge resistance R_0	: 150 ohm * $\pm 5\%$
Repetition frequency	: approx. 10Hz $U_c \approx 99\%$
Source resistance HV generator R_1	: 150 M Ω $\pm 10\%$
Hold time single	: 5s ($U_0 - 10\%$)
Supply voltages	: 100/120/220/240 VAC $\pm 10\%$ 50/60Hz
Power consumption	: approx. 25 VA
Temperature range	: 5 - 40°C
Humidity	: 20% - 80% (not condensing)
Suppression level	: N (according to VDE 0875)

Dimensions:

Test finger	: Ø 12x80 mm Ø 0.47x3.15"
Generator	: 260x300x56 mm 10.23"x11.81"x2.20"
Power supply	: 160x91x56 mm 6.3"x3.58"x2.20"
Ground cable	: approx. 2m 78.75"
Carrying case	: 520x375x125 mm 20.47"x14.76"x4.92"

Weight:

Generator	: approx. 1.2kg 2.65 lb
Power supply	: approx. 1.1kg 2.43 lb

Accessories (included):

SL 402 194	Carrying case
SL 402 193	Fuse set
SL 402 170	Power supply
SL 402 233	Test finger
SL 402 229	Distance set for test finger
SL 402 173	Ground connecting cable (2m)