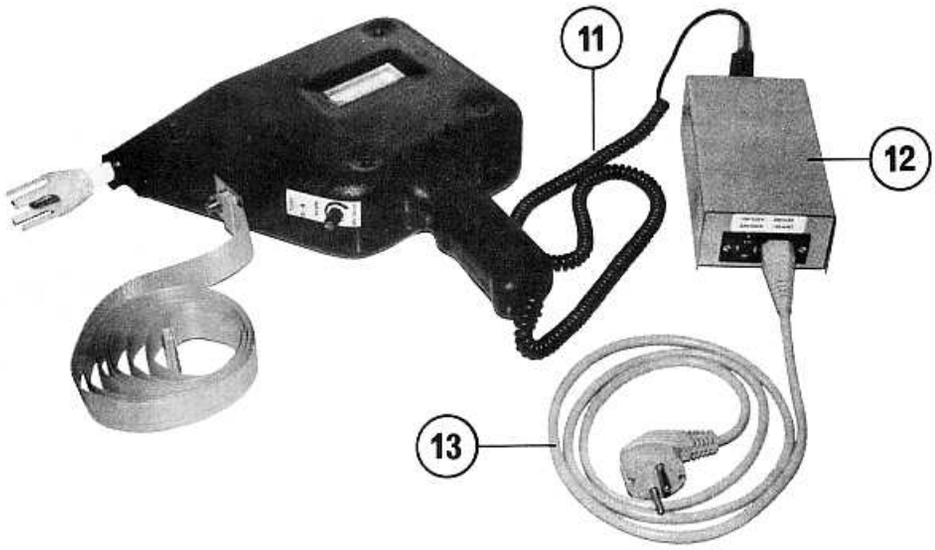
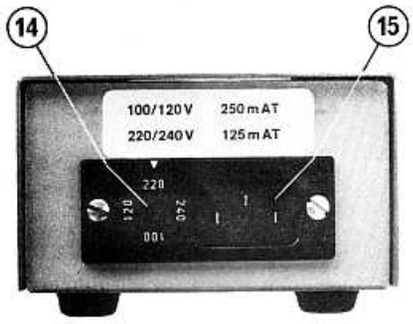




⑪ Connection cable 32VDC

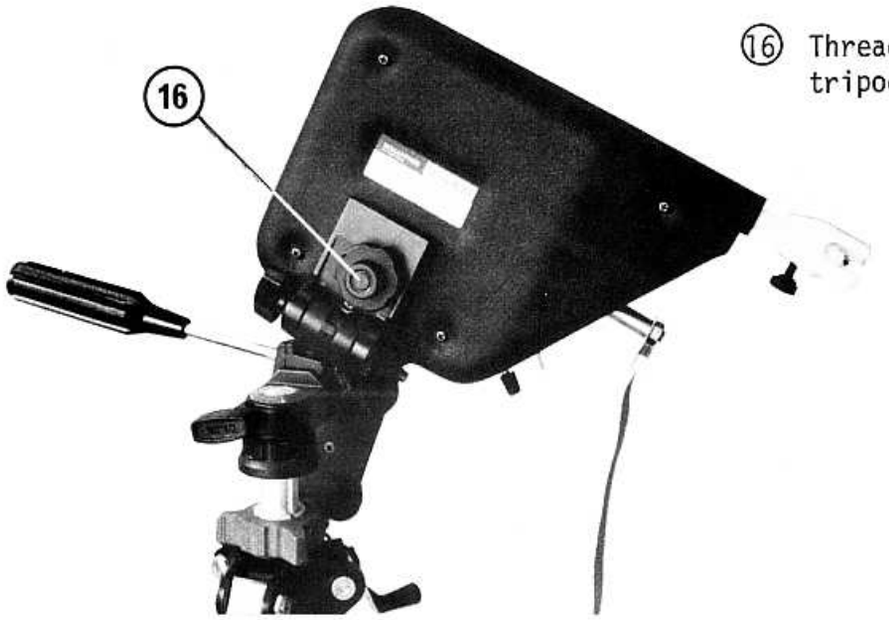
⑫ Power supply

⑬ Mains cable

⑭ Voltage selector whit fuse

⑮ Mains connection

⑯ Thread for fixation of tripod



6) TECHNICAL DATA

Discharge voltage U_o	:	2kV to 16.5kV ± 10%
Rise Time	:	5ns ± 30% at 2kV
Half amplitude width	:	30ns ± 30% at 2kV
Polarity	:	positive *
Discharge condenser C_o	:	150 pF * ± 10%
Discharge resistance R_o	:	150 ohm * ± 5%
Repetition frequency	:	approx. 20Hz
Source resistance HV generator R_1	:	100MΩ ± 10%
Hold time single (U -10%)	:	5s
Supply voltages		100/120/220/240 VAC ± 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)

* Other values on request

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)

Mains cable with plug according to order number:
SL 402 187 for D/F/NL/I/E/B/N/SF
SL 402 188 for Switzerland
SL 402 189 for USA and Canada
SL 402 033 without plug

7) EXAMPLES OF USAGE

In general measurements are made with single discharges. For search and calibration a repetitive discharge is more useful.

The following examples are gathered together from recommendations and guide lines.

1) Setting of the desired voltage and slowly approaching the test object (approx. 0,1 m/s) until a discharge occurs.

2) Setting of the required distance (approx.0,3 ÷ 1,5 kV/mm) with the distance ring adjustment between the test finger and the test object and then raising the voltage until a discharge occurs.

Typical test set-up