



## HV Test Set 50/80/110 kV

**Portable HV test set for DC voltage testing of cables and cable installations**

### Benefits

- ▶ **Safety by monitoring functions and easiest operation**
- ▶ **Quick and easy mounting with compact and simple setup**
- ▶ **Meeting individual needs by modular design**



### Description

The HV Test Set is a cable tester for DC voltage testing of cables and cable installations in accordance with VDE standards. The Set consists of an operation unit and an HV Unit and is available in three versions (50/80/110 kV). Compact and light-weight it is easily transported to be used on site.

### Technical Features

- ▶ Easy operation
- ▶ Low weight and compact design
- ▶ Integrated discharge device
- ▶ Earthing safety circuit
- ▶ Overcurrent tripping
- ▶ Guaranteed quality in accordance with DIN EN ISO 9001
- ▶ Ecologically safe insulant

### The HV Test Set 50/80/110 kV is used for

- ▶ Testing of newly installed cables and splices before they are taken into service
- ▶ Periodical cable testing
- ▶ Testing electrical installations
- ▶ Preventive checks after repairs and work on telecommunication cables and other installations

### Scope of Delivery

- ▶ HV Test Set 50/80/110 kV in leather case
- ▶ HV unit with HV attachment
- ▶ Connecting lead, operation unit to HV unit
- ▶ High Voltage lead, 2 m
- ▶ Earthing lead, 3 m HV unit to station earth
- ▶ Earthing lead, 3 m, operation unit to station earth
- ▶ Earthing and discharge rod with ground cable and case
- ▶ Operation manual
- ▶ Service pack

### Environmental protection

To protect the environment we use a new type of biodegradable, non-toxic insulating oil.

Technical Data	
<b>HV Test Set 50 kV</b>	
DC output voltage / Voltage measuring range	0 ... 50 kV
Output current at max. output voltage	6 mA
Overcurrent trip	> 8 mA
Weight (Operation Unit / HV Unit)	appr. 13 kg / appr. 17.0 kg
Dimensions (W x H x D)	400 x 335 x 200 mm / 214 x 460 x 236 mm
<b>HV Test Set 80 kV</b>	
DC output voltage / Voltage measuring range	0 ... 80 kV
Output current at max. output voltage	5 mA
Overcurrent trip	> 7 mA
Weight (Operation Unit / HV Unit)	appr. 13 kg / appr. 18.5 kg
Dimensions (W x H x D)	400 x 335 x 200 mm / 214 x 560 x 236 mm
<b>HV Test Set 110 kV</b>	
DC output voltage / Voltage measuring range	0 ... 110 kV
Output current at max. output voltage	4 mA
Overcurrent trip	> 6 mA
Weight (Operation Unit / HV Unit)	appr. 13 kg / appr. 20.0 kg
Dimensions (W x H x D)	400 x 335 x 200 mm / 214 x 670 x 236 mm
<b>HV Test Set 50 / 80 / 110 kV</b>	
Current measuring range	0.1 mA / 1 mA / 10 mA
Power supply	230 V AC, 50 Hz
Power consumption	approx. 0.9 kVA
Operating temperature range	-25 °C ... +55 °C
Storage temperature range	-40 °C ... +70 °C