

HV Test Set

50/80/110 kV

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



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

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HV Test Set 50/80/110 kV

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

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 50/08/100 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



Technical Data

DC output voltage / Voltage measuring range	
HV Test Set 50 kV	0 ... 50 kV
HV Test Set 80 kV	0 ... 80 kV
HV Test Set 110 kV	0 ... 110 kV
Output current at max. output voltage	
HV Test Set 50 kV	6 mA
HV Test Set 80 kV	5 mA
HV Test Set 110 kV	4 mA
Overcurrent trip	
HV Test Set 50 kV	> 8 mA
HV Test Set 80 kV	> 7 mA
HV Test Set 110 kV	> 6 mA
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
Weight	
HV Test Set 50 kV	Operation Unit/ HV Unit appr. 13 kg/appr. 17.0 kg
HV Test Set 80 kV	appr. 13 kg/appr. 18.5 kg
HV Test Set 110 kV	appr. 13 kg/appr. 20.0 kg
Dimensions (W/H/D)	
HV Test Set 50 kV	400/335/200 mm / 214/460/236 mm
HV Test Set 80 kV	400/335/200 mm / 214/560/236 mm
HV Test Set 110 kV	400/335/200 mm / 214/670/236 mm

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