

HV test set series

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



- Available in three versions: 50/80/110 kV
- Monitoring functions maximise safety and ease of operation
- Quick and easy to set up
- Meets individual needs through a modular design

DESCRIPTION

The HV Test Set is a cable tester for the DC voltage testing of cables and cable installations in accordance with international standards.

The set consists of a control unit and an HV Unit and is available in three versions (50/80/110 kV). Because it is compact and light, it is easy to transport and use on-site.

The HV Test Set series is used for:

- Testing newly installed cables and splices before commissioning
- Periodic cable testing
- Testing electrical installations
- After-repair testing on cable systems or HV-plants

Technical features

- Easy operation
- Light and compact design
- Integrated discharge device
- Earthing safety circuit
- Overcurrent tripping
- Guaranteed quality in accordance with DIN EN ISO 9001
- Ecologically safe insulation oil

Environmental protection

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

TECHNICAL DATA*

HV test set 50 kV

DC output voltage / Voltage measuring range	0 ... - 50 kV
Output current at max. output voltage	6 mA
Overcurrent trip	≥ 8 mA
Weight operation unit	approx. 13.5 kg
Weight HV unit	approx. 17 kg
Dimensions operation unit (W x H x D)	400 x 335 x 200 mm
Dimensions HV unit (W x H x D)	214 x 460 x 236 mm

HV test set 80 kV

DC output voltage / Voltage measuring range	0 ... - 80 kV
Output current at max. output	5 mA
Overcurrent trip	≥ 7 mA
Weight operation unit	approx. 13.5 kg
Weight HV unit	approx. 18.5 kg
Dimensions operation unit (W x H x D)	400 x 335 x 200 mm
Dimensions HV unit (W x H x D)	214 x 560 x 236 mm

HV test set 110 kV

DC output voltage / Voltage measuring range	0 ... - 110 kV
Output current at max. output voltage	4 mA
Overcurrent trip	≥ 6 mA
Weight operation unit	approx. 13.5 kg
Weight HV unit	approx. 20 kg
Dimensions operation unit (W x H x D)	400 x 335 x 200 mm
Dimensions HV unit (W x H x D)	214 x 670 x 236 mm

HV test set 50/80/110 kV

Current measuring range	0.1 mA / 1 mA / 10 mA
Power supply	230 V AC, 50 Hz
Power consumption	900 VA
Operating temperature range	-25 °C ... +55 °C
Storage temperature range	-40 °C ... +70 °C



SCOPE OF DELIVERY

- Control unit in bag
- HV unit 50, 80 or 110 kV
- HV cable 2 m
- LV cable set
- Discharge and ground rod

ORDERING INFORMATION

Product	Order no.
HV test set 50 kV, 230 V	3003216
HV test set 50 kV, 115 V	820022509
HV test set 80 kV, 230 V	3003204
HV test set 80 kV, 115 V	820015811
HV test set 110 kV, 230 V	3003181
HV test set 110 kV, 115 V	893012071

* We reserve the right to make technical changes.

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