

HV test set series

Portable HV test sets for DC voltage testing of cables and electrical equipment



- Available in four versions: 50/80/110/120 kV
- Monitoring functions maximise safety and ease of operation
- Quick and easy to set up
- Meets individual needs through a modular design
- Either analog or digital display of voltage and current

DESCRIPTION

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

The set consists of a control unit and an HV Unit and is available in four versions (50/80/110/120 kV). The devices are characterized by low weight and high output power. This combined with the modular and compact design makes it the most unique and safest systems on the market available.

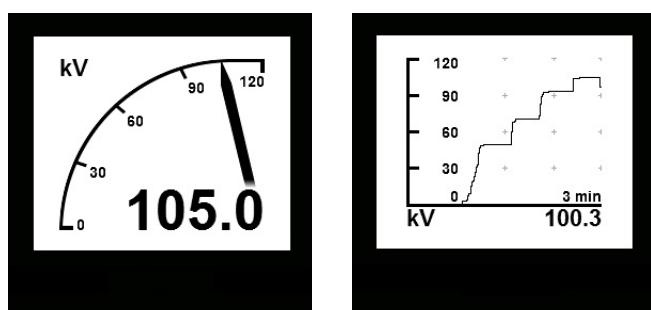
Standard HV test sets comes with analog meters, additionally Megger offers the HV test sets with digital metering which allows a more precise reading of the current and setting of the voltage.

The HV Test Set series is used for:

- Testing of paper-insulated /mass-impregnated cables according to IEEE 400-2012 and IEC 60060-3
- Testing of electrical equipment according to IEEE 62.1 and IEEE 95
- Testing of cable sheath/ outer jacket according to IEC 60502/ IEC 60229

Technical features

- Flexible in use thanks to modular design
- Easy operation and test set-up
- Low weight
- Voltage measurement on HV potential
- Overcurrent tripping and -voltage protection
- Protective ground circuit
- Depending on model selected either with analog or digital display of voltage and current



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TECHNICAL DATA*

	HV test set 50 kV	HV test set 80 kV	HV test set 110 kV	HV test set 120 kV	
Input voltage	115 / 230 V, 50 / 60 H, 900 VA depending on model selected				
Output voltage (negative polarity)	0 ... 50 kV DC	0 ... 80 kV	0 ... 110 kV	0 ... 120 kV	
Output current at max. output voltage	6 mA	5 mA	4 mA	3,5 mA	
Overcurrent trip	> 8 mA	> 7 mA	> 6 mA	> 5,5 mA	
	Analog versions				
Voltage range	0 ... 50 kV	0 ... 80 kV	0 ... 110 kV	0 ... 130 kV	
Accuracy		1.5%			
Current range		0 ... 100 μ A / 1mA / 10 mA			
Accuracy		1.5%			
	Digital versions (LCD display)				
Voltage range		0 ... 130 kV			
Resolution		0.1 kV			
Accuracy		1%			
Current range		0 ... 9.999 mA			
Resolution		1 μ A			
Accuracy		1%			
Operating temperature		-20 °C ... +55 °C			
Storage temperature		-25 °C ... +70 °C			
Weight	Control unit HV unit	13 kg 17 kg	13 kg 18,5 kg	13 kg 20 kg	13 kg 20,5 kg
Dimensions (W x H x D)	Control unit HV unit	37 x 20 x 28 cm 21 x 38 x 31 cm	37 x 20 x 28 cm 21 x 40 x 31 cm	37 x 20 x 28 cm 21 x 42 x 31 cm	37 x 20 x 28 cm 21 x 43 x 31 cm



SCOPE OF DELIVERY

- Control unit in bag
- HV unit 50, 80, 110 or 120 kV
- HV cable 2 m
- LV cable set (control cable, two ground cables and mains cable in 3m length)
- Discharge and ground rod

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ORDERING INFORMATION	
Product	Order no.
HV test set 50 kV	
230 V, 50 Hz analog version	3003216
230 V, 50 Hz digital version	1013278
115 V, 60 Hz analog version	820022509
115 V, 60 Hz digital version	1013284
HV test set 80 kV	
230 V, 50 Hz analog version	3003204
230 V, 50 Hz digital version	1013281
115 V, 60 Hz analog version	820015811
115 V, 60 Hz digital version	1013285
HV test set 110 kV	
230 V, 50 Hz analog version	3003181
230 V, 50 Hz digital version	1013282
115 V, 60 Hz analog version	893012071
115 V, 60 Hz digital version	1013286
HV test set 120 kV	
230 V, 50 Hz analog version	899000702
230 V, 50 Hz digital version	1013283
115 V, 60 Hz analog version	1013288
115 V, 60 Hz digital version	1013287
Option:	
Transport case with wheels for HV Test Set 50/80/110/120	90046507



Analog and digital version of control unit HV test set 50/80/110/120 kV

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HV-Test-Set_DS_EN_V02a

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