

HV tester 25 kV / HV tester 25 kV digital Portable HV tester



- Universal DC test system
- High flexible use thanks to internal battery
- Available with analog or digital metering

DESCRIPTION

The HV Tester 25 kV is a universal high voltage generator with a variable negative DC output voltage of 0 – 25 kV. It is robust, lightweight, compact and easy to use.

The internal battery helps to facilitate testing independent of the mains. Capacitive loads, such as shielded cables, are safely and automatically discharged in the case of a breakdown and at the end of testing via the internal discharge facility.

Standard HV tester 25 kv comes with analog meters, additionally Megger offers the HV tester 25 kV with digital metering which allows a more precise reading of the current and setting of the voltage.

The HV Tester 25 kV can be 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

- Easy operation
- Built-in rechargeable battery for mains-independent operation
- Light and compact design
- Integrated discharge facility
- Built-in timer (1 – 30 min)
- Voltage measurement on high voltage potential
- Short-circuit-proof output
- Grounding safety circuit

TECHNICAL DATA*

Input voltage (selectable)	115 V/230 V; 50/60 Hz internal rechargeable battery; external battery 11 ... 15 V DC
Output current	1.5 mA at max. output voltage
Analog version	
Voltage range	0 ... 30 kV
Accuracy	1.5 %
Output current	1.5 mA at max. output voltage
Current range	0 ... 200 μ A / 0 ... 2 mA manual or automatic switching
Accuracy	1.5 %
Digital version (LCD display)	
Voltage range	0 ... 30 kV (two display views)
Resolution	10 V
Accuracy	1 %
Current range	0 ... 2 mA (two display views)
Resolution	1 μ A
Accuracy	1 %
Battery operating time	approx. 45 min at full load
Max. discharge energy	3000 J (9.6 μ F at 25 kV)
Operating temperature	-20 °C ... +55 °C -29 °F ... +131 °F
Storage temperature	-25 °C ... +70 °C -32 °F ... +158 °F
Dimensions (W x H x D)	467 x 168 x 284 mm 18.39 in. x 6.61 in. x 11.18 in.
Weight	14 kg (incl. batteries)

SCOPE OF DELIVERY

- Tester, incl. rechargeable battery and leather case
- Mains lead
- Battery lead for external DC battery, approx. 3 m
- Ground lead, approx. 3 m, for connection to station ground
- Ground lead, approx. 3 m, for connection to protective ground
- High voltage lead, approx. 3 m, with terminal
- Operating manual

* We reserve the right to make technical changes.



HV tester 25 kV with analog metering



HV tester 25 kV with digital metering

ORDERING INFORMATION

Product	Order no.
HV tester with analog metering	
HV-Tester 25 kV	3017204
HV tester 25 kV with external emergency switch	90007125
HV tester 25 kV UK version consisting of:	
HV tester 25 kV UK version (10m HV and earth leads)	820011797
EST 35-UK, discharge rod	820011802
HV cable with clamps on both sides 0.5m	820011794
HV tester with digital metering	
HV-Tester 25 kV	1013267
HV tester 25 kV with external emergency switch	1013573
HV tester 25 kV UK version consisting of:	
HV tester 25 kV UK version (10m HV and earth leads)	1013269
EST 35-UK, discharge rod	820011802
HV cable with clamps on both sides 0.5m	820011794

SALES OFFICE

Megger Germany GmbH
Dr.-Herbert-lann-Str. 6,
D-96148 Baunach
T +49 9544 68-0
E team.international@megger.com

HV-test-25_DS_EN_V02c

www.megger.com
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