

DC-Test sets 50-120 kV



- *Small, light, compact, and used for high test voltages*
- *Direct voltage measurement*

FEATURES

- simple operation
- less weight and compact design consisting of control and HV unit
- continuously adjustable stabilised output voltage
- direct voltage measurement at high voltage output
- three current measurement ranges
- zero position force for switching on high voltage
- indicator lamp for correct operating and protective earthing
- overcurrent and overvoltage trip

The PGT DC test sets comprise an operating and a high voltage component. They are used for VDE-compliant DC voltage testing of cables and cable systems (for testing the cable insulation of a newly laid cable before commissioning, in compliance with VDE 0276-620/621).

Thanks to their compact dimensions and less weight, these sets are portable and can be used directly on site. The readable values of output voltage and leakage current make it possible to evaluate the state of the test object as regards voltage stability and insulation capacity.

Testing systems of the PGT series are available in the following versions:

- DC-Test set 50 kV PGT 50-D6
- DC-Test set 80 kV PGT 80-D5
- DC-Test set 110 kV PGT 110-D4
- DC-Test set 120 kV PGT120-D3

SCOPE OF SUPPLY

- control unit PGT
- high voltage unit PGT
- HV attachment
- connection cable high voltage unit to control unit (permanently connected to control unit)
- HV-connection cable
- set of connecting cables
- bag for control unit
- discharge rod
- connection cable discharge rod to station ground
- bag for discharge rod
- user manual
- service kit



SPECIFICATIONS

	PGT 50-D6	PGT 80-D5	PGT 110-D4	PGT 120-D3
Operation modes				
■ output voltage (negative polarity)	0 ... 50 kV	0 ... 80 kV	0 ... 110 kV	0 ... 120 kV
■ output current	6 mA	5 mA	4 mA	3.5 mA
Specific characteristics				
■ measuring range voltage	50 kV	80 kV	110 kV	120 kV
■ measuring range current	0.1 mA / 1 mA / 10 mA			
■ over current release	≥ 8 mA	≥ 7 mA	≥ 6 mA	≥ 5.5 mA
■ max. discharge capacity	6 µF	4 µF	3 µF	2 µF
Power supply				
■ mains voltage	230 V, 50 Hz, optional 115 V, 60 Hz			
■ power consumption	max. 900 VA			
Environmental				
■ operating temperature	-25 °C ... +55 °C			
Mechanical data				
■ dimensions (L x W x H) mm	300 x 415 x 200			
control unit	300 x 415 x 200			
high voltage unit	300 x 215 x 550	300 x 215 x 575	300 x 215 x 600	300 x 215 x 600
■ weight	13.5 kg			
control unit	13.5 kg			
high voltage unit	17.0 kg	18.5 kg	20.0 kg	20.5 kg

Subject to alterations