

Cable Test Sets

KPG 50kV

KPG 80kV

KPG 110kV

KPG 120kV



Cable Test Sets KPG 50kV/80kV/110kV/120kV

The devices series KPG 50-120kV have been designed as Cable Test Sets for DC voltage testing of Medium Voltage Power Cables. There are 4 different versions (50kV/80kV/110kV/120kV) available. The devices are characterized by low weight and high output power. Thanks to the compact 2-part design, the units are easily portable and perfect to be used on site. The separate design of Operation- and High Voltage unit, a key switch, switch-on interlock and a protective ground circuit ensure maximum safety.

Field of application:

- Testing of newly installed cables and cable joints before commissioning
- Testing at re-commissioning of cable systems or High Voltage systems after maintenance and repair
- Regular preventive cable testing
- Testing of electrical equipment

	KPG 50kV	KPG 80kV	KPG 110kV	KPG 120kV
Power supply	Mains operation, selectable 115/230 V ; 50/60 Hz (specify when ordering)			
Output voltage infinitely adjustable	0 ... 50 kV DC negative polarity	0 ... 80 kV DC negative polarity	0 ... 110 kV DC negative polarity	0 ... 120 kV DC negative polarity
Rated 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
Voltage measuring range	0 ... 50 kV	0 ... 80 kV	0 ... 110 kV	0 ... 130 kV
Current measuring ranges	0 ... 100 µA / 1 mA / 10 mA			
Power consumption	max. 900 VA			
Operating temperature	-25 °C ... +55 °C			
Storage temperature	-40 °C ... +70 °C			
Weight				
Operation unit	13 kg	13 kg	13 kg	13 kg
High Voltage unit	17 kg	18,5 kg	20 kg	20,5 kg
Dimensions (W x H x D)				
Operation unit	37 x 20 x 28 cm	37 x 20 x 28 cm	37 x 20 x 28 cm	37 x 20 x 28 cm
High Voltage unit	21 x 38 x 31 cm	21 x 40 x 31 cm	21 x 42 x 31 cm	21 x 43 x 31 cm

Characteristics:

- Easy operation
- Robust construction, low weight
- Compact, easily portable by modular design
- Quick test setup on site
- Overcurrent trip
- Overvoltage protection
- Voltage measurement direct at HV output
- Protective ground circuit

Options:

- Transport case with trolley-function
- Timer 1 ... 60 minutes

Scope of supply:

- Operation unit with protective bag and cable storage
- HV unit with HV-connecting attachment
- HV-connecting cable, length 2m
- Connecting cable, HV unit to Operating unit, length 3m
- Ground cable for station ground, length 3m
- Ground cable for protective ground, length 3m
- Mains lead
- Ground- and Discharge rod, demountable, with ground cable and bag
- Service pack
- User manual

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