



High-voltage test sets

T 26/1 A, T 26/1 B and T 26/1 C

Benefits:

- ▶ **Great Mobility**
- ▶ **Simple, safe operation**
- ▶ **Thermal overload shutdown**
- ▶ **Discharge switch**



Description

The T 26/1 A, T 26/1 B and T 26/1 C high-voltage test sets are efficient, mobile systems for high-voltage testing of cables, cable systems and installations as required by current regulations (VDE) with DC voltages of up to 400 kV, 650 kV and 860 kV respectively. The sets are suitable for both installation in measuring trailers and onsite testing as stationary test set. The spatial separation of the operating and high-voltage units makes it possible to operate the sets from outside the immediate danger area. Their modular structure makes them easy to set up on site and allows adaptation to measuring tasks.

The sets are primarily designed for power supply companies, cable laying firms and cable manufacturers for the DC voltage testing of high-voltage systems and cables. Their short-circuit-proof output circuit and high power make them suitable for use in fault location as a burndown unit for burning high-impedance and intermittent cable fault.

Features

- ▶ Individual assembly of each set from function blocks
- ▶ Combinable cascades in voltage steps of 200 and 250 kV
- ▶ Travelling wave protection by means of liquid resistor (acts simultaneously as a discharge resistor, resistors embedded in cast resin are used up to 150 kV)
- ▶ Discharge switch
- ▶ Cascades with SF6 gas isolation (isolated with cast resin up to 150 kV)
- ▶ Thermal overload shutdown
- ▶ Switch clock
- ▶ Automatic current range switching
- ▶ Preselection of excess current shutdown and selection of voltage measuring range by button
- ▶ Can be used as burn-down unit in fault location
- ▶ Great mobility
- ▶ Simple, safe operation

Technical Data

Output DC voltage	T 26/1 A	max. 400 kV (idling) max. 350 kV at 4 mA
	T 26/1 B	max. 650 kV (idling) max. 600 kV at 3.5 mA
	T 26/1 C	max. 860 kV (idling) max. 800 kV at 2 mA
Short-circuit current	T 26/1 A	300 m Arms
	T 26/1 B	50 m Arms
	T 26/1 C	55 m Arms
Voltage display	T 26/1 A	60 kV ... 480 kV
	T 26/1 B	60 kV ... 720 kV
	T 26/1 C	480 kV ... 960 kV
Current display	in 5 ranges 0.1 mA; 1 mA; 10 mA; 100 mA; 300 mA; Automatic range switching up to 100 mA	
Switch clock	0 ... max. 60 min	
Mains supply	220 V/240 V, 50/60 Hz external battery 12 V DC	
Power consumption	T 26/1 A	max. 4.0 kVA
	T 26/1 B	max. 5.5 kVA
	T 26/1 C	max. 5.5 kVA
Max. discharge energy of liquid resistor	T 26/190 A	600 kW at 400 kV max.
	T 26/195 B	1600 kW at 650 kV max.
	T 26/1 C	2000 kW at 800 kV max.

Ordering information

- ▶ High-voltage test set T 26/1 A 400 kV
- ▶ High-voltage test set T 26/1 B 650 kV
- ▶ High-voltage test set T 26/1 C 860 kV

Accessories

- ▶ Trailer, 1 axle for T 26/1 A
- ▶ Trailer, 2 axles for T 26/1 B
- ▶ Trailer for T 26/1 C
- ▶ Trolley