



Test Unit 40 kV T 99/1



**Testing the disruptive strength of
cables, cable Fittings, equipment
and installations**

sebaKMT

Test Unit 40 kV T 99/1

Funktion description:

The T 99/1 High Voltage Test Unit is a powerful portable device able to generate a DC voltage of up to 40 kV.

The Test Unit 40 kV T 99/1 is used for:

- testing the disruptive strength of cables, cable fittings, equipment and installations with max. 40 kV.
- locating high-impedance and intermittent cable faults in low and medium voltage systems as per the decay method in conjunction with a time domain reflectometer.
- converting high-impedance and intermittent cable faults into low-resistance faults (burning).

The shockproof enclosure of all high-voltage parts and the automatic discharging of the test object after shutdown / power failure ensure maximum protection for the operator. The short-circuit proof design and high output current of the T 99/1 40 kV test unit also make it suitable for cable fault location (Decay).

Salient Features of the T 99/1:

- Low weight (high voltage cascade embedded in insulating gas [SF₆]).
- Voltage continuously variable up to 40 kV.
- Current measurement in three ranges: 200 μA, 2 mA, 20 mA.
- 12 V battery and 230 V mains operation.
- Built-in discharge unit and automatic discharge after shutdown, power failure or upon pressing the discharge key.
- Integrated timer, adjustable from 0 to 60 min.
- Controlled output voltage.
- Overcurrent shutdown.



Specifications:

No-load voltage	40 kV
Short-circuit current	approx. 15 mA
Overcurrent trip	at 2 mA (can be deactivated)
Current at 35 kV	2.5 mA
Power supply	Mains 230 V AC ± 10 % External battery 12 V DC
Max. discharge capacity	10 μF
Power consumption	approx. 220 VA
Dimensions:	260 x 160 x 400 mm (approx. 10,25" x 6,25" x 15,75")
Weight:	approx. 15 kg (33 lbs)

Ordering information:

Test unit 40 kV T 99/1

Article No. 250 2429

The basic equipment comprises the following items:

■ 1 pc 40 kV test unit	T 99/1
■ 1 pc mains lead	0336
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■ 1 pc HV connecting cable	K 705
■ 1 pc earth terminal	0403
■ 2 pcs terminal	L 909
■ 1 pc Operation manual	

Optional Accessories:

Battery connecting cable 10 m,	L 501
2 x 4 mm ² , including battery clip	Article No. 302 0635
Accessory bag	0890
	Article No. 248 0883
Safety resistor < 70 kV	H 807
	Article No. 248 7497

DIN ISO-9001

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Product Range: Instruments and Test Vans for Fault Location in Power and Telecommunication Networks and for Leak Detection in Water and Sewage Networks • Cable and Pipe Locators • Seminars

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Technical data subject to change without notice.

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