

# EPS800

External power source 25A for UNIMET®800ST/810ST





EPS800

### Product description

EPS800 is an external 25 A power source for protective earth resistance measurements in compliance with the IEC 60601-1 standard. It is only to be used in conjunction with the UNIMET® 800ST/810ST (e.g. article number B96028010/B96028020).

### Ordering information

Version	for UNIMET®		Type	Art. No.
	800ST	810ST		
Standard (German)	B96028010	B96028020	EPS800	B96028050
GB	B96028014	B96028024	EPS800	B96028054
CH	B96028016	B96028026	EPS800	B96028056
B	B96028017	B96028027	EPS800	B96028057
US	B96028018	B96028028	EPS800	B96028058

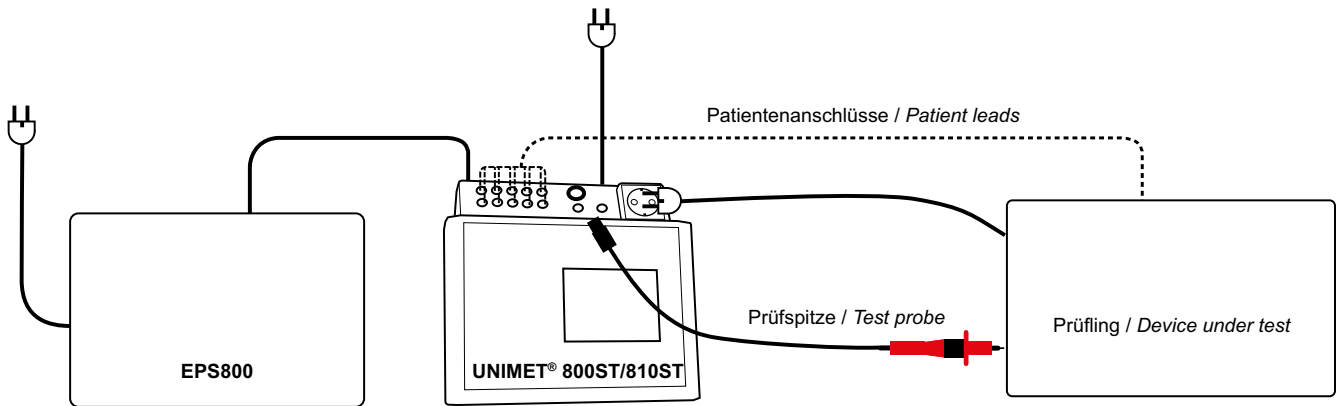
### Technical data

Nominal voltage	AC 207...253 V, 48 ... 62 Hz
Power consumption	400 VA
Measuring current	AC 25 A ± 10 % (0 ... 0.3 Ω)
Output power	230 VA
Operating mode	continuous operation
Protection class	II
Micro-fuse	5 x 20 mm, fast 5 A/250 V

### Other

EMC	IEC 61326-1
Ambient temperature	0...+40 °C
Storage temperature	-10...+70 °C
Relative humidity (up to 31 °C)	max. 80 %
Relative humidity (> 31...40 °C)	decreasing linearly, max. 50 % condensation must be avoided
Height above sea level	max. 2000 m
Degree of protection	IP20
Dimensions	ca. 244 x 164 x 120 mm (W x D x H)
Documentation number	D00146
Weight	≤ 4 kg

**Test setup with UNIMET® 800ST/810ST**

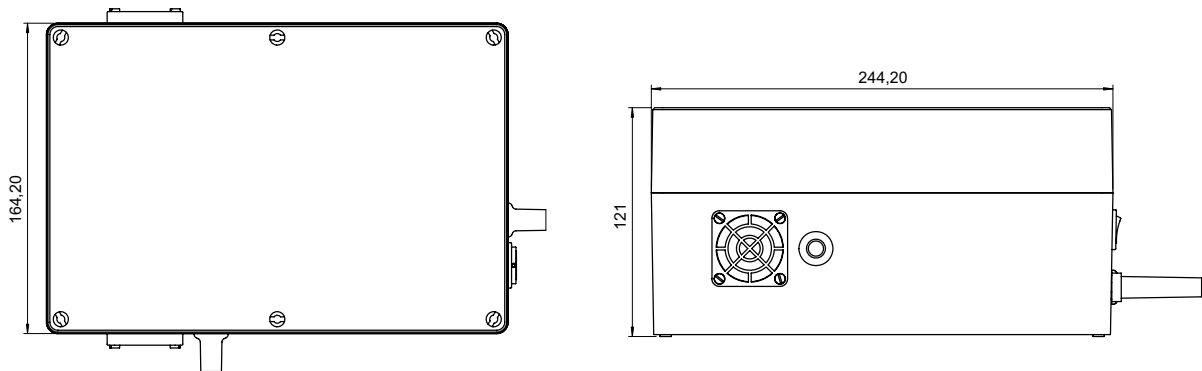


- 1 - Insert the control cable of the EPS800 into the “EPS800” connector socket on the rear of the UNIMET® 800ST/810ST.  
Note: The plug clicks into place and is secured against being pulled out accidentally. The plug can only be removed after sliding back the movable handle piece.
- 2 - Connect the supply line of the EPS800 to the power socket.

- 3 - Connect the supply line of the UNIMET® 800ST/810ST to the power socket.
- 4 - Switch on the power switch of the UNIMET® 800ST/810ST.
- 5 - Switch on the power switch of the EPS800. The sound of the internal ventilator can be heard.
- 6 - Connect the DUT. Determine the test sequence according to the classification.

**Dimension diagram**

Dimensions in mm





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