ATG 2

BAUR burn down transformer

The robust solution for difficult cases

- Portable device for changing the fault resistance
- Proven methods for cable faults that are difficult to locate
- Useful for cables that are difficult to access
- Independent current and voltage control on each burning level

Features

- Burning voltage up to DC 10 kV
- Output current up to 32 A_{rms}
- Maximum input power 2300 VA
- Optimum adjustment of the output voltage over 6 voltage levels
- AC voltage level for low-voltage networks
- Automatic switch-off on temperature rise
- Acoustic alarm on temperature rise
- Automatic discharge unit
- Switch-on interlock for high voltage
- Safety control unit according to DIN EN 50191
- Connection socket for external emergency stop unit with signal lamps
- Connection option for external ohmmeter
- As a stand-alone version or built-in module in BAUR cable fault location systems

The ATG 2 burn down transformer is used for the impedance reduction of cable faults in low and medium-voltage networks. This converts high-resistive, difficult to locate and intermittent faults to low-resistive faults that are easy to locate with the Time Domain Reflectometry method.

The short-circuit proof 2300 VA stray field transformer delivers a maximum voltage of DC 10 kV and is contained in a fully enclosed 19" housing. The output voltage can be changed across 6 levels that can be switched to even under load. This allows the output voltage to be adjusted to the respective cable faults. In addition, current and voltage can be limited independently of each other on each level by using potentiometers.

An external ohmmeter that can be connected to the ATG 2 allows you to determine the fault resistance after a burn process and to evaluate whether additional burning is required.

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Technical data

Power supply	200 – 253 V, 50/60 Hz	
Option	100 – 130 V, 50/60 Hz with external autotransformer	
Max. power consumption	2300 VA (in short-circuit)	
Output current AC	32 A_{rms} 5.8 A_{rms}	at AC 60 V at AC 230 V
Output current DC	2.0 A 0.6 A 0.24 A 0.16 A	at DC 800 V at DC 2.6 kV at DC 6.4 kV at DC 10 kV

Load capacity	Max. 10 µF
Output voltage DC	Max. 10 kV
Internal discharging resistance	100 kOhm
Ambient temperature (operational)	-20 °C to +55 °C
Storage temperature	-30 °C to +70 °C
Dimensions (W x H x D)	502 x 255 x 390 mm
Weight	Approx. 41 kg

Standard delivery includes

- BAUR burn down transformer ATG 2, including: — Item 413+001
  - HV connection cable, 3 m, fix mounted
  - Mains supply cord, 2.5 m
  - Earth cable, 3 m, with earthing clamp
  - User manual

Options

- Hinged stand, height 5 RU (222 mm), for 19" unit — Item 411-536
- Discharge and earth rod GDR 40-250 — Item 411-559
- Remote emergency stop unit with signal lamps, incl. connection cable, 25 m — Item 471-219
- Remote emergency stop unit with signal lamps, incl. connection cable, 50 m — Item 470-809
- Auto transformer external, 110/230 V; 3.0 kVA — Item 472-095