

ATG 6000

BAUR burn down transformer



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
- Robust construction for reliable functions
- Independent current and voltage control on each burning level

The ATG 6000 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 5750 VA stray field transformer delivers a maximum voltage of DC 15 kV and is contained in a fully enclosed 19" housing. The output voltage can be changed over 8 levels that one can switch 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 6000 allows you to determine the fault resistance after a burn process and to evaluate whether additional burning is required.

Features

- Burning voltage up to DC 15 kV
- Output current up to 90 A_{rms}
- Maximum input power 5750 VA
- Optimum adjustment of the output voltage over 8 voltage levels
- Voltage levels can be switched under full load
- 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

Technical data

Power supply	200 – 260 V, 50/60 Hz	Output current DC	1.0 A	at DC 5000 V
Option	100 – 130 V, 50/60 Hz with external autotransformer		0.65 A	at DC 8500 V
			0.35 A	at DC 15000 V
Max. power consumption	5750 VA (in short-circuit)	Load capacity	Max. 14 μ F	
Output voltage DC	Max. 15 kV	Internal discharging resistance	15 kOhm	
Output current AC	90 A _{rms} at AC 60 V 23 A _{rms} at AC 230 V 11 A _{rms} at AC 500 V 3.5 A _{rms} at AC 1500 V 2.0 A _{rms} at AC 2600 V	Ambient temperature (operational)	-20 °C to +55 °C	
		Storage temperature	-30 °C to +70 °C	
		Dimensions (W x H x D)	519 x 656 x 400 mm	
		Weight	Approx. 92 kg	

Standard delivery includes

- BAUR burn down transformer ATG 6000, including: Item 413+003
 - HV connection cable, 4 m, fix mounted
 - Mains supply cord, 5 m
 - Earth cable, 4 m, with earthing clamp
 - User manual

Options

- 19" rack, height 14 RU (622 mm), depth 400 mm, for accommodation of ATG 6000 (without carrying handles) Item 472-060
- Carrying handles (1 pair) for 19" rack, depth 400 mm Item 471-524
- Set of 4 wheels for 19" rack, mounted Item 471-287
- 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; 6.0 kVA Item 472-096