

# TG 20/50

## BAUR audio frequency transmitter



The figure is illustrative.

The TG 20/50 is a portable, mains- or battery-operated audio frequency transmitter and is used in conjunction with the protract<sup>®</sup> pin-pointing system and the AFP audio frequency probe for:

- Tracing
- Pin-pointing using the twist method and the minimum distortion method
- Determining the depth of cables and metal pipes

### Features

- Automatic and manual impedance adjustment
- Continuous or pulsed output
- Two output frequencies can be selected
- Illuminated current indicator
- High output power enabling use of the twist method
- Display of the primary current and output current of the output transformer
- Touch-proof ports
- Splash-proof
- Socket for optional loop antenna on the side wall
- Battery mode or mains operation
- Integrated charger and batteries

### Technical data

Tracing and cable fault location		General	
Output power		Power supply	
In mains operation	0 – 50 VA	Mains voltage	<ul style="list-style-type: none"> <li>▪ 110 – 120 V, 50/60 Hz</li> <li>▪ 220 – 230 V, 50/60 Hz</li> <li>▪ 240 V, 50/60 Hz</li> </ul>
In battery mode	0 – 20 VA	Integrated batteries	12 V, 12 Ah
Max. output current	8 A	External supply	DC 12 – 24 V (reverse polarity protection)
Frequencies	Switchable between 2 frequencies*: 2 kHz ±0.1% distortion factor ≤1.5% @ 4 VA 10 kHz ±0.1% distortion factor ≤3% @ 4 VA	Battery life	Approx. 3.2 h @ 20 VA
Output impedance	On 7 levels: 1 / 3 / 10 / 30 / 100 / 300 / 1,000 Ω Automatic or manual adjustment	Charger (integrated)	Overcharge protection – when connected to the mains, the batteries are charged in each operating mode
		Deep discharge protection	Device switch off in the event of deep battery discharge
		Dimensions (W x H x D)	Approx. 290 x 130 x 250 mm
		Weight	Approx. 9.5 kg
		Ambient temperature (operational)	-20 to +50°C
		Safety and EMC	CE compliant in accordance with Low Voltage Directive (2014/35/EU), EMC Directive (2014/30/EU), EN 60068-2-ff Environmental testing

\* Other frequencies on request

### Standard delivery

- TG 20/50 audio frequency transmitter
- Carrying strap, adjustable
- Mains supply cord, 2.5 m
- Earth cable, 3 m, with earth terminal
- Connection cables, red and black, touch-proof, 2 m each, with connection clips
- User manual

### Accessories and options

- RA 10 loop antenna
- AZ 10/D 70 clip-on current transformer, with connection cable
- AZ 10/D 80 clip-on current transformer, with connection cable
- AZ 10/D 125 clip-on current transformer, with connection cable
- Battery connection cables, red and black, 5 m each



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