

TG 20/50

BAUR audio frequency transmitter



Features

- Automatic or manual impedance adjustment
- Charging unit and rechargeable battery integrated; battery or mains operation
- Continuous or cyclical output
- Two output frequencies selectable
- Illuminated instrument with display of I_{out} and I_{in} , switchable
- Touch proof terminals
- Splashproof design
- High output power, therefore application of twist method possible
- Socket for loop antenna on side panel

The TG 20/50 is a portable, mains or battery-operated audio frequency transmitter.

Together with the UL 30 universal receiver and the SP 30 search coil, the audio frequency transmitter is used for tracing, pin-pointing using the twist method and for determining the depth of cables and metal pipes.

Technical data

Output power		Power supply	
During mains operation	0 – 50 VA	Mains voltage	110 – 120 V, ±10%, 50/60 Hz 220 – 230 V, ±10%, 50/60 Hz 240 V, ±10%, 50/60 Hz
During battery operation	0 – 20 VA	Integrated battery	12 V; 9.5 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% at 4 VA 10 kHz ± 0.1% distortion factor ≤ 3% at 4 VA	Dimensions (W x H x D)	Approx. 290 x 130 x 250 mm
Output impedance	In 7 steps: 1 Ohm / 3 Ohm / 10 Ohm / 30 Ohm / 100 Ohm / 300 Ohm / 1,000 Ohm Automatic or manual adjustment	Weight	Approx. 9.5 kg
Charger (built-in)	Overcharge protection - with mains connection the battery is charged in any operating mode	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
Protection against total discharge	Automatic shutdown of device on battery total discharge		
Battery life	Approx. 2.5 h @ 20 VA		
Ambient temperature (operational)	-20°C to +50°C		

Standard delivery

- BAUR TG 20/50 audio frequency transmitter
- Carrying strap, adjustable
- Mains supply cord, 2.5 m
- Earth cable, 3 m, with earth terminal
- User manual

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 cable red and black; 5 m each