

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