



Data Sheet



Audio Frequency Transmitter TG 20 / 50

The TG 20 / 50 is a portable, mains or battery operated audio frequency generator with incorporated charging unit. In connection with audio frequency receiver UL and detecting rod SP, the TG 20 / 50 is used for route tracing and depth evaluation of cables and metallic lines.

Features:

- automatic or manual impedance matching
- charging unit and battery are incorporated, battery or mains operation
- continuous or impulse mode selectable
- two output frequencies selectable
- illuminated instrument with display of I_{out} and I_{in} , switchable
- terminals are free from touch
- drip proof
- high output power, therefore application of twist method possible
- socket for loop antenna on side panel





Technical data

TG 20 / 50	
Output power	0 - 50 VA in mains operation 0 - 20 VA in battery operation
Output current	8 A max.
Frequencies	2 frequencies, switchable 2 kHz \pm 0,1 %, k-factor \leq 1,5 % at 4 VA 10 kHz \pm 0,1 %, k-factor \leq 3 % at 4 VA
Output impedance	in 7 steps 1 Ω / 3 Ω / 10 Ω / 30 Ω / 100 Ω / 300 Ω / 1000 Ω automatic or manual adjustment
Charging unit (incorporated)	overcharge protection - when in mains supply, charging is made in all operating modes
Low level discharge protection	instrument switched off before battery is completely empty
Operating time	at 20 VA; approx. 2.5 h
Operating temperature	- 20 to + 50 ° C
Power supply	mains connection 110-120 V / 220-230 V / 240 V \pm 10 %; 50 - 60 Hz internal battery 12 V; 9,5 Ah external supply 12 V - 24 V DC (reverse battery protection)
Dimensions (w x h x d)	approx. 290 x 130 x 250 mm
Weight	approx. 9.5 kg

Order instructions:

Please specify in each enquiry or order:

Audio Frequency Transmitter TG 20 / 50		414+023
Delivery includes:	Standard	Selection
Audio frequency transmitter TG 20 / 50 without accessories	■	
Carrying strap, adjustable in length, with spring catch (2 pcs.)	■	
Mains connection cable	■	
Operating manual	■	
Options:		
Loop antenna RA 10		<input type="checkbox"/>
CT clip-on device \varnothing 70 mm; with connection cables; AZ 10 - \varnothing 70		<input type="checkbox"/>
CT clip-on device \varnothing 80 mm; with connection cables; AZ 10 - \varnothing 80		<input type="checkbox"/>
Battery connection cable red and black; each 5 m long		<input type="checkbox"/>
Mains supply:		
<input type="checkbox"/> 110 V ~ to 120 V ~	<input type="checkbox"/> 220 V ~ to 230 V ~	<input type="checkbox"/> 240 V ~

- Included in standard delivery
- Selectable (please mark with a cross or specify)

