



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 7, or UL 8, and detecting rod SP 8, 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	in 2 steps, 0 - 4 VA or 0 - 50 VA in mains operation 0 - 4 VA or 0 - 20 VA in battery operation
Output current	step 1: 1,5 A max./step 2: 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 240 mm
Weight	approx. 9,5 kg

Order instructions

	Mains supply		
	220V-230V	110V-120V	240V
Audio Frequency Transmitter TG 20 / 50 with accessories	414-023	414-123	414-223
Delivery includes:			
Carrying strap, with adjustable quick release	670-033	670-033	670-033
Mains cable	554-005	554-009	554-011
Options:			
Loop antenna RA 10	414-501	414-501	414-501
Current transformer clamp AZ 10 / \emptyset 70	414-536	414-536	414-536
Current transformer clamp AZ 10 / \emptyset 100	414-532	414-532	414-532

