



Audio Frequency Transmitter TG 600

The audio frequency transmitter TG 600 is especially designed for accurate location of cable faults and joints according to the twist method. With the display of input and output current the selection of the correct adjustment is easy.

The capacitive compensation protects the high power output amplifier from thermal overload. Thus, an improvement of output power and operating time is achieved. With its high power the instrument can be used for cable fault location and for high frequency burning procedures especially on signal and telephone cables. Maximum output power is selectable between 60 VA or 600 VA; the range of 60 VA is used mainly for route tracing and depth location of cables.

Features:

- powerful audio frequency transmitter up to 600 VA
- frequency 2 or 10 kHz, quartz stabilised (other frequencies on request)
- potential-free output
- impedance matching in 8 steps, from 0,3 to 300 Ω
- selectable reactive current compensation for optimum adjustment
- thermal overload protection
- indication of input and output current



Technical data

	TG 600
Output power	in 2 steps - continuously adjustable in each step at 2 kHz; 60 VA / 600 VA at 10 kHz; 45 VA / 450 VA
Max. output current	30 A
Frequencies	2000 Hz \pm 0,1 % / 10 000 Hz \pm 0,1 % other frequencies on request
Output impedance	in 8 steps 0,3 Ω / 0,8 Ω / 1,8 Ω / 4 Ω / 10 Ω / 30 Ω / 100 Ω / 300 Ω
Operating modes	continuous operation, pulse operation - pulse-width repetition rate; On approx. 0,7 s / Off approx. 0,3 s
Display	I_{in} (A) / I_{out} (A) - overtemperature display
Output	polarity terminals on rear side of instrument
Power supply	mains voltage 110 - 120 V / 220 - 230 V / 240 V; \pm 10 % 50 Hz - 60 Hz
Max. power consumption	2200 W
Internal instrument protection	overcurrent limitation - overtemperature switch-off
Operating temperature	- 20 to + 40 ° C
Dimensions (w x h x d)	approx. 505 x 255 x 300 mm
Weight	approx. 38 kg

Order instructions

	Mains supply		
	220V-230V	110V-120V	240V
Audio Frequency Transmitter TG 600 with accessories	414-004	414-104	414-204
Delivery includes:			
Mains cable	554-005	554-009	554-011
Ground line 3 m with ground clamp 24 mm width	460-741	460-741	460-741
Connection cable, with clamps	460-932	460-932	460-932
Options:			
Current transformer clamp AZ 10 / \varnothing 70	414-536	414-536	414-536
Current transformer clamp AZ 10 / \varnothing 100	414-532	414-532	414-532
Hinged stand, working height approx. 90 cm	411-536	411-536	411-536

