

## Data Sheet



## 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  $\Omega$
- 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 $\Omega$ / 0,8 $\Omega$ / 1,8 $\Omega$ / 4 $\Omega$ / 10 $\Omega$ / 30 $\Omega$ / 100 $\Omega$ / 300 $\Omega$
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:**

Please specify in each enquiry or order:

Audio Frequency Transmitter TG 600		414+004	
Delivery includes:	Standard	Selection	
Audio frequency transmitter TG 600 without accessories	<input checked="" type="checkbox"/>		
Mains connection cable	<input checked="" type="checkbox"/>		
Connection cable with terminals, 24 mm wide	<input checked="" type="checkbox"/>		
Ground line 3 m long; with ground terminal 24 mm wide	<input checked="" type="checkbox"/>		
Operating manual	<input checked="" type="checkbox"/>		
<b>Options:</b>			
Hinged stand for 19" units up to 5U; working height approx. 90 cm		<input type="checkbox"/>	
CT clip-on device $\varnothing$ 70 mm; with connection cables; AZ 10 / D 70		<input type="checkbox"/>	
CT clip-on device $\varnothing$ 80 mm; with connection cables; AZ 10 / D 80		<input type="checkbox"/>	
CT clip-on device $\varnothing$ 125 mm; with connection cables; AZ 10 / D 125		<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)

