

## Acoustic Transducer VTIGT400

### Destination:

- Registration and transformation of the elastic mechanical waves energy advancing from the defect incipient and propagation place in metal construction into electric signal.
- Technical diagnostics with the help of passive ultrasound.

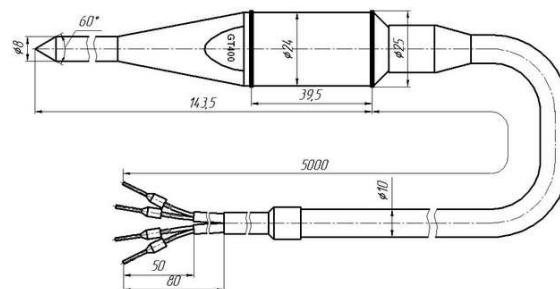
### Features:

- Hermetically sealed body.
- Transformer output.
- Off-line checking.



Parameter	Unit	VTIGT400
Type.....	-	band-pass
Electroacoustic transfer factor.....	dB rev. 1V/m/s	> 45
Working frequency.....	kHz	120
Bandwidth.....	kHz	50 - 250
Capacitance.....	pF	700 ...800*2
Insulation resistance.....	MOhm	> 100*2
Temperature range.....	°C	up to + 400*3
Housing material.....	-	stainless steel
Built-in cable length.....	m	5*1
Weight (without cable).....	gram	250

### General view of VTIGT400



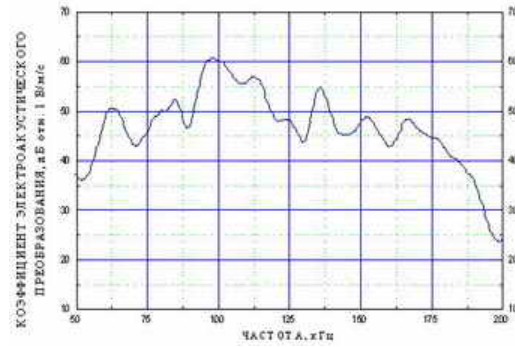
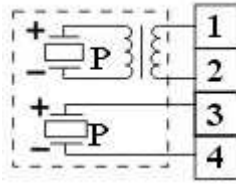
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## Electrical circuit

## Amplitude–frequency response



- \*1 – to be determined when making out an order;
- \*2 – to checking channel;
- \*3 – temperature of object under control at permissible temperature of transducer in A zone no more than 200.

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