

# Transducer TC3021

Low Cost Universal 2MHz Transducer



## TC3021

- Depth rating 700m operating
- Extreme narrow beam width

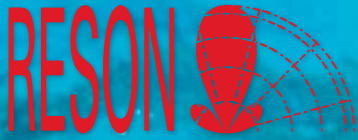
Universal 2MHz transducer ideal for short range high precision sound velocity measurements.

### TECHNICAL SPECIFICATIONS

Resonant Frequency:	2MHz
Transmitting Sensitivity:	184dB $\pm$ 3dB at 2Mhz (re $\mu$ Pa/V at 1m)
Receiving Sensitivity:	-207dB $\pm$ 3dB at 2Mhz (re V/ $\mu$ Pa)
Impedance:	230hm $\pm$ 110hm at 2MHz
Phase:	0° $\pm$ 30°at 2MHz
Beam shape	Conical
Beam width:	2,2°
Side lobe Suppression	Better than -12dB
Max input power:	5W (1% duty cycle)
Operating depth:	700m
Survival depth:	1000m
Operating temperature range:	+2°C to +35°C
Storage temperature range:	-30°C to +50°C
Cable: (Length and type)	1.5m, Coax cable RG 174/u
Housing:	PVC – black
Weight (air) incl. cable:	35g

Please note that this product requires a minimum quantity per order

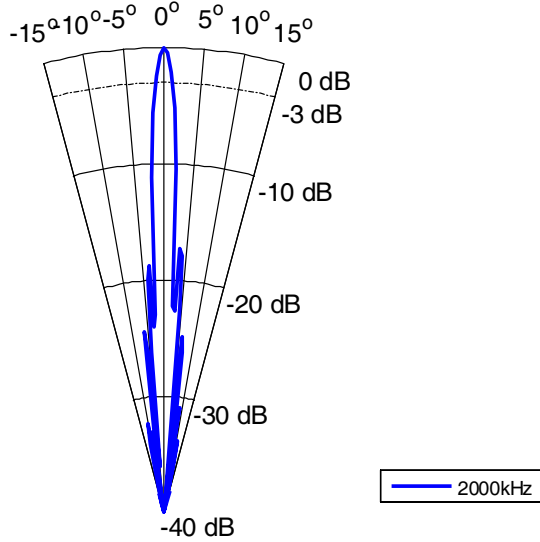




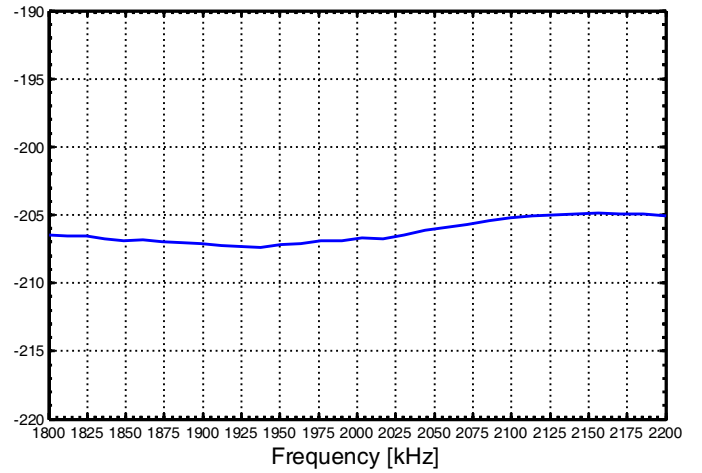
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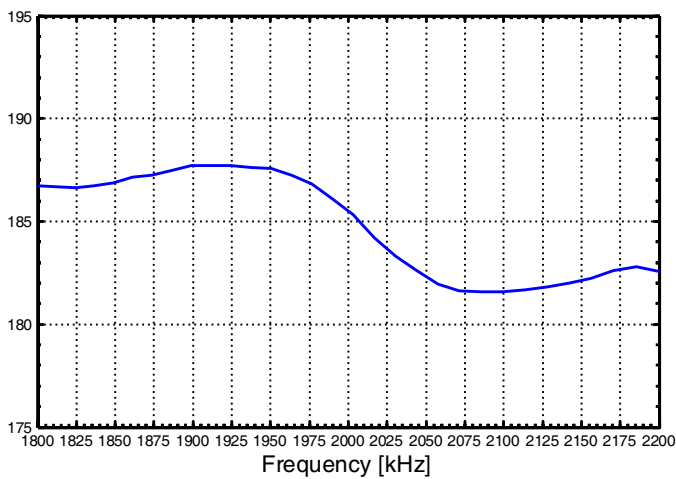
Horizontal directivity pattern



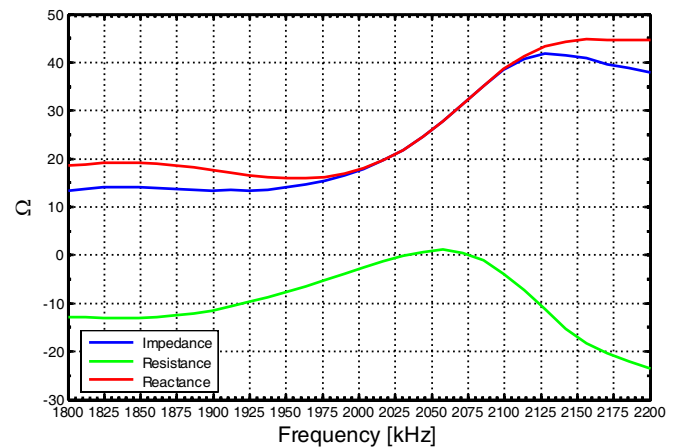
Receiving Sensitivity [dB re 1V/ $\mu$ Pa @ 1m]

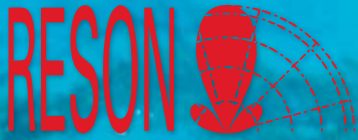


Transmitting Sensitivity [dB re 1 $\mu$ Pa/V @ 1m]



Impedance

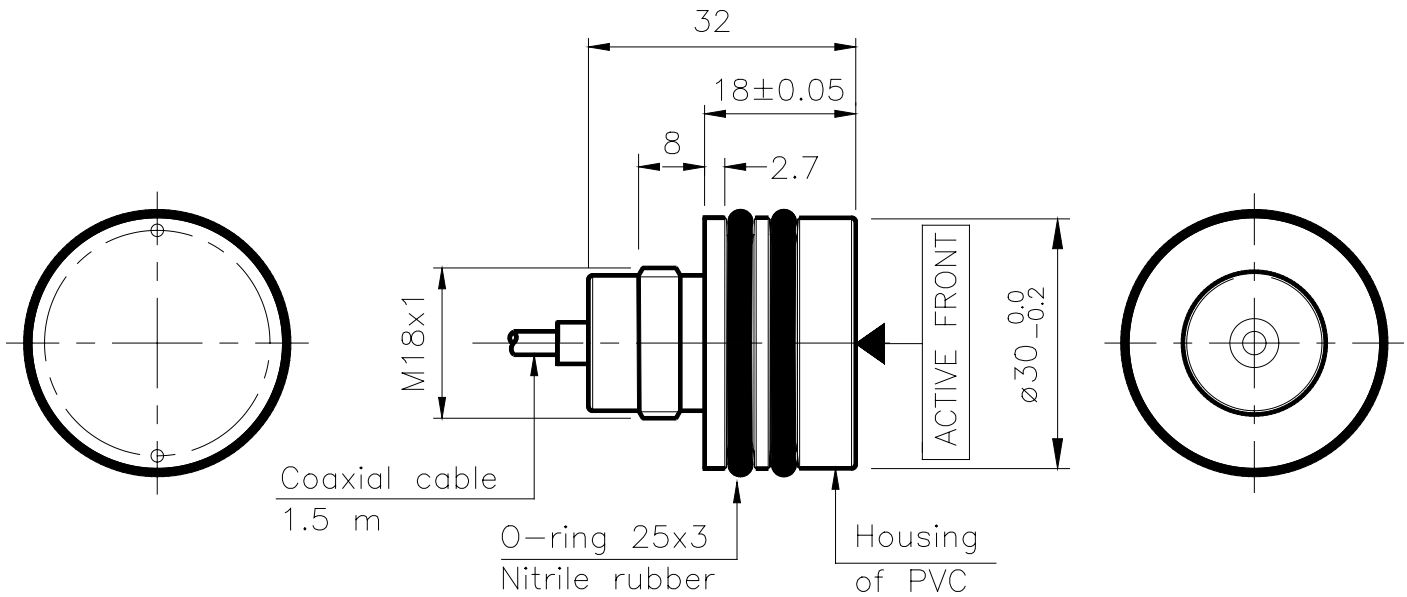




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## Outline Dimensions



RESON reserves the right to change specifications without notice. © 2006 RESON A/S  
For Acoustical Measurement Accuracy please refer to [www.reson.com](http://www.reson.com) or contact sales.

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