

# TC 3021

## Low Cost Universal 2MHz Transducer



### TC3021

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

- Depth rating 700m operating
- Extreme narrow beam width

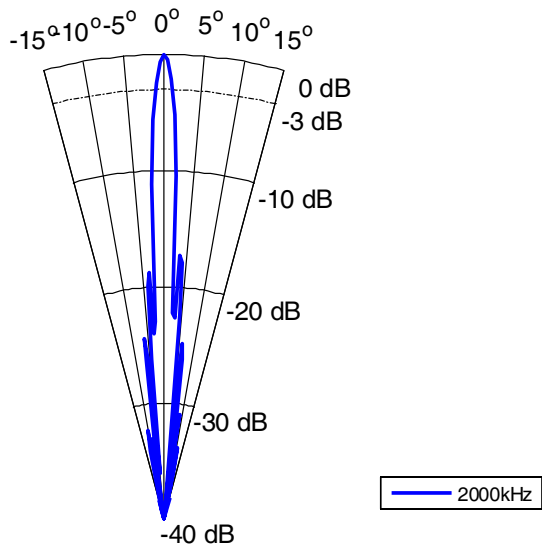
### TECHNICAL SPECIFICATIONS

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

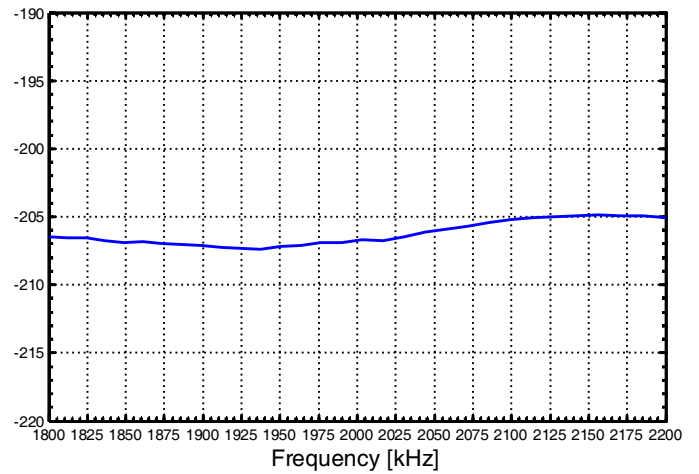
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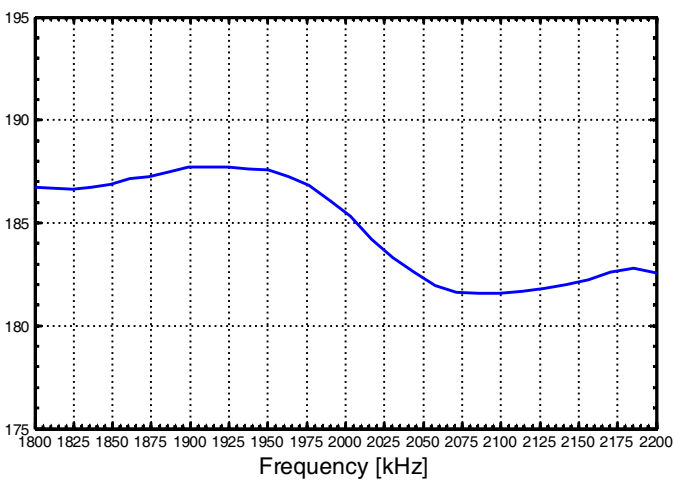
Horizontal Directivity Pattern



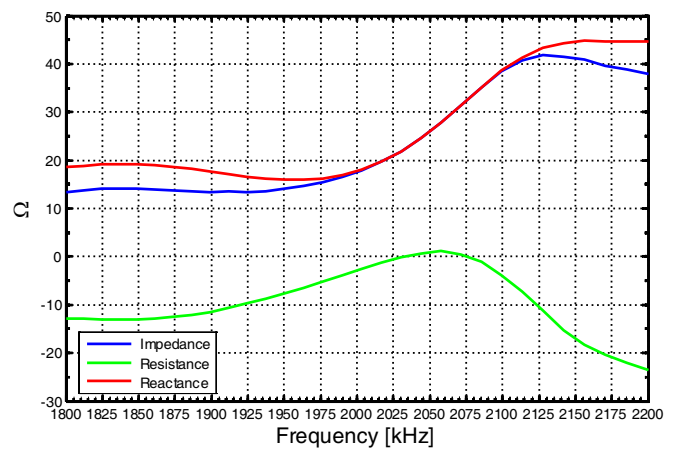
Receiving Sensitivity [dB re 1V/μPa @ 1m]



Transmitting Sensitivity [dB re 1μPa/V @ 1m]



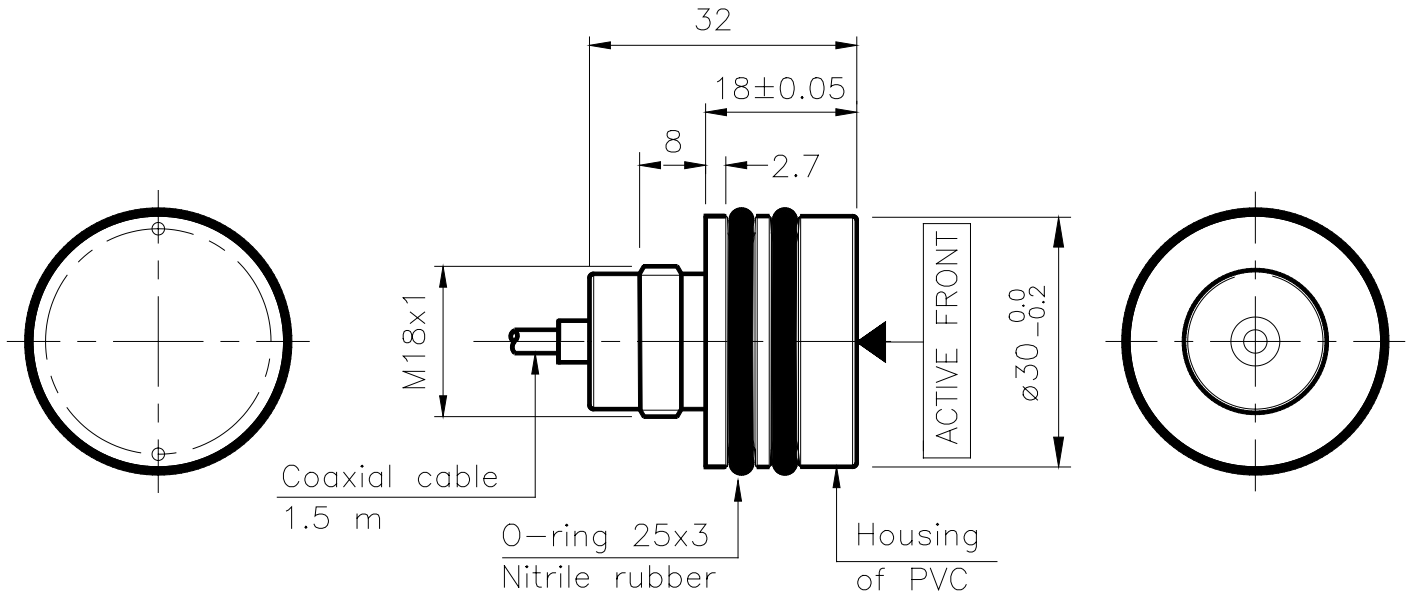
Impedance



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### Outline dimensions



For more details visit [www.teledyne-reson.com](http://www.teledyne-reson.com) or contact your local Teledyne RESON Office. Teledyne RESON reserves the right to change specifications without notice. 2015©Teledyne RESON

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