



Transducer TC1037

Directional Telephone Transducer



- **High performance low frequency transducer**
- **Ideal for installation due to steel housing and threaded guide**
- **Optional cable termination TL8038**

TC1037

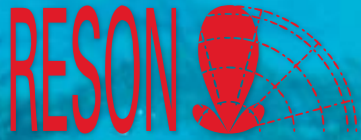
The TC1037 is a rugged directional transducer with low frequency. It is specifically designed for underwater telephone systems. Can be used as a building block in special long range sonars or in sub bottom penetration single or multibeam systems.

TECHNICAL SPECIFICATIONS

Usable frequency band:	6kHz to 15kHz
Transmitting sensitivity:	145dB \pm 3dB at 7,3kHz (re μ Pa/V at 1m)
Receiving sensitivity:	-169dB \pm 3dB at 7,3kHz (re 1V/ μ Pa)
Impedance:	860ohm \pm 250ohm at 7,3kHz
Beam shape:	Conical
Beam width:	80° at 8kHz
Max input power:	400W (1% duty cycle)
Operating depth:	600m
Survival depth:	800m
Operating temperature range:	-2°C to +35°C
Storage temperature range:	-40°C to +70°C
Cable (Optional)	Connector and 9m cable, pigtail
Housing:	Special formulated NBR
Weight (air) incl. cable:	5,8kg

Please note that this product requires a minimum quantity per order

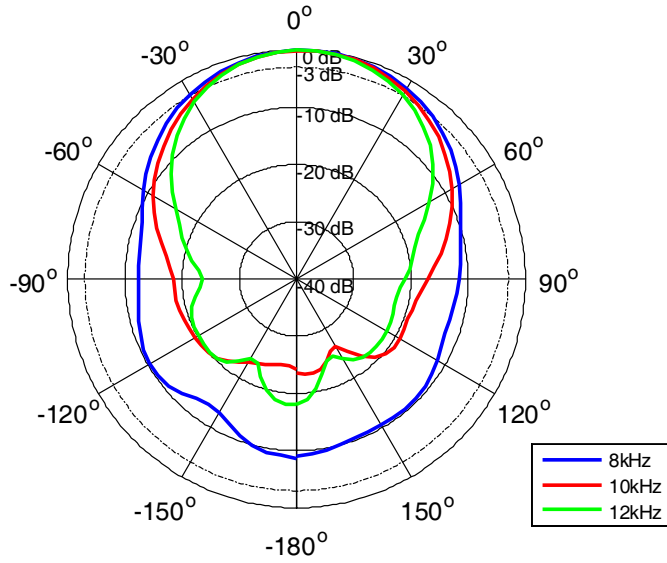




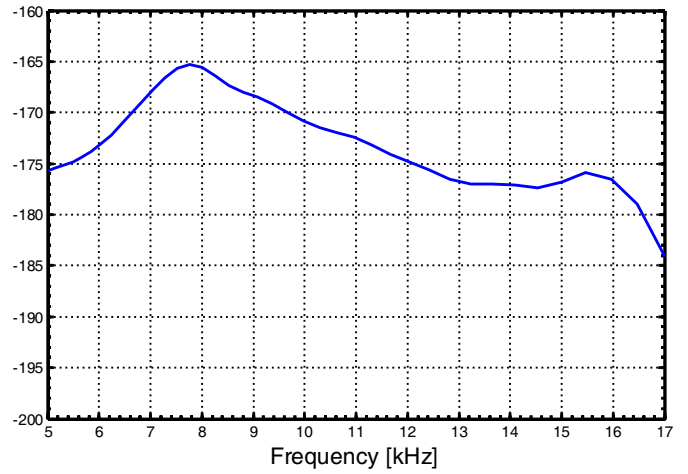
Transducer TC1037

Directional Telephone Transducer

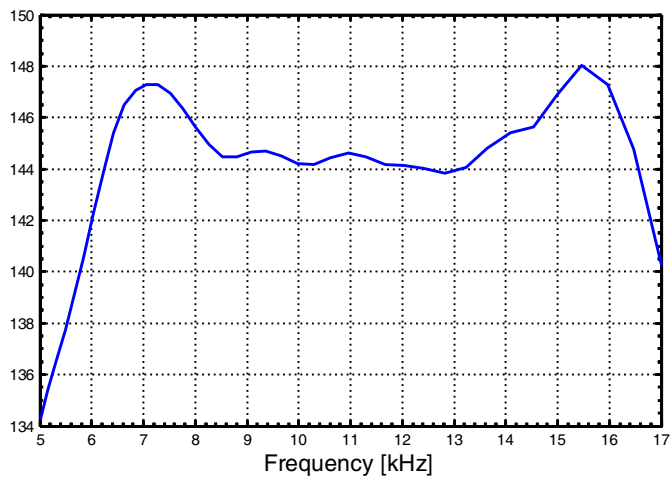
Horizontal Directivity Pattern



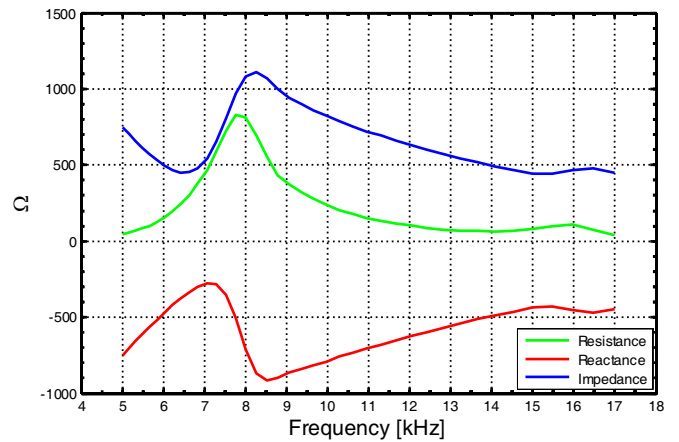
Receiving Sensitivity [dB re 1V/ μ Pa @ 1m]

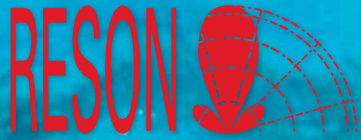


Transmitting Sensitivity [dB re 1 μ Pa/V @ 1m]



Impedance

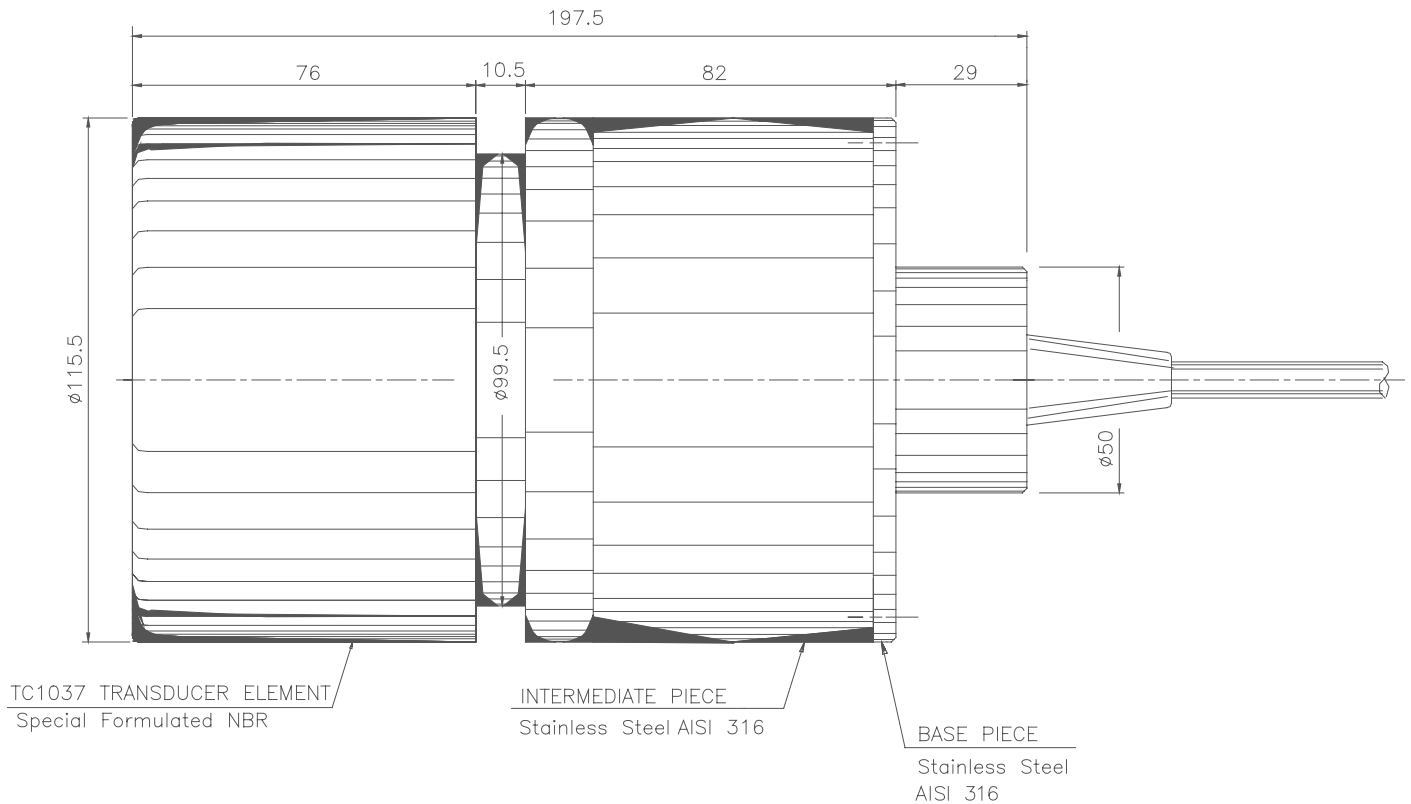




Transducer TC1037

Directional Telephone Transducer

Outline Dimensions



For information on export control regulations on this product, please refer to www.reson.com



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

RESON A/S
Denmark
Tel: +45 4738 0022
E-mail: reson@reson.dk

RESON Inc.
USA
Tel: +1 805 964-6260
E-mail: sales@reson.com

RESON Offshore Ltd.
United Kingdom
Tel: +44 1224 709 900
E-mail: sales@reson.co.uk

RESON GmbH
Germany
Tel: +49 431 720 7180
E-mail: reson@reson-gmbh.de

RESON B.V.
The Netherlands
Tel: +31 (0)10 245 1500
E-mail: info@reson.nl

RESON Mediterranean SRL
Italy
Tel: +39-051-572-643
E-mail: info@reson.it