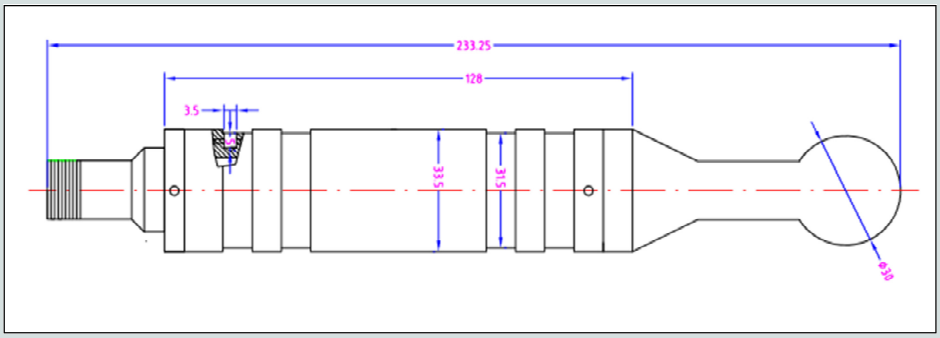
GP1280 Hydrophone

www.colmaritalia.it

The GP1280 is a preamplified, omnidirectional hydrophone, a professional tool suitable for a wide range of applications. Its low self noise and high sensitivity makes it especially suited for ambient noise measurements and recording the acoustic signature of mammals.

- High sensitivity
- Low self noise (“ below sea state zero”)
- Suitable for PAM and ambient noise measurements
- Calibration input available
- Customizable in gain and filtering
- Suitable for long term deployments and ultra deep applications

Working band:	5-90.000 Hz
High pass filter on preamplifier :	Customizable (on demand)
Balanced output sensitivity:	-163 dB re 1V / uPa @ 5kHz (customizable)
Single output sensitivity:	-169 dB re 1V / uPa @ 5kHz (customizable)
Directivity :	Spherical - Omnidirectional
Max working depth :	900 m
Gain @5kHz:	30 dB (single output), 36dB (balanced output)
Equivalent input acoustic noise @5kHz:	31 dB re 1uPa / sqrtHz
Input impedance:	10 MOhm
Supply voltage range:	11.5-30 Vdc
Current consumption:	9 mA @ 12 Vdc
Output voltage swing:	6Vpp (single output), 12 Vpp (balanced output)
Weight in air:	500 gr
Body construction:	Stainless steel AISI316 or PPSGF40 + internal steel core
Dimensions:	233,25 x 33,5 mm
Packaging:	Pelicase mod.1170



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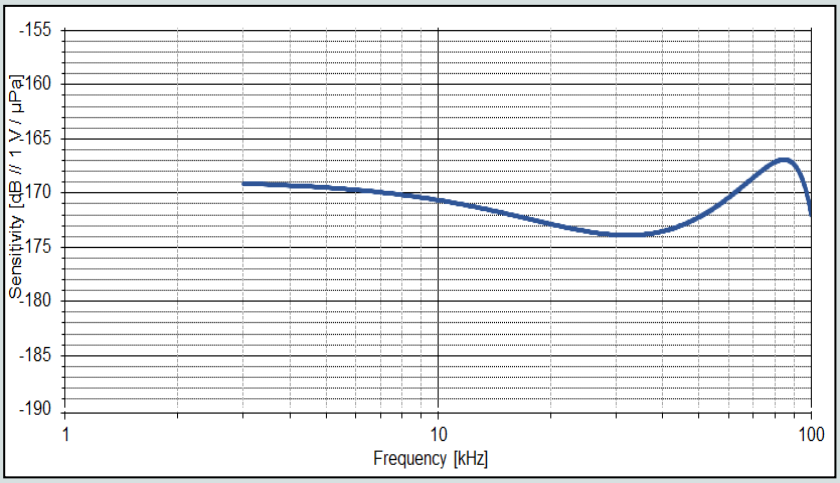
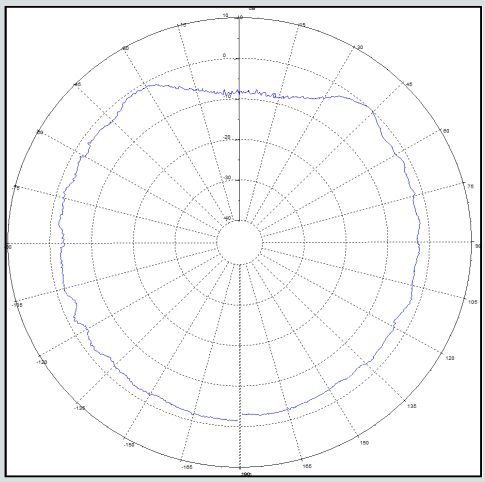
Receiving sensitivity (single output)



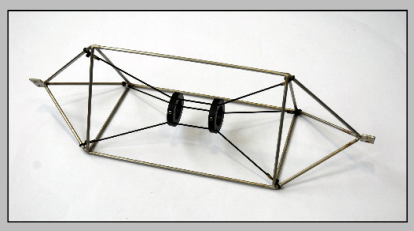
Vertical directivity pattern @ 60kHz



Accessories and optional configurations

- Protective frame

- Protective frame with suspension system for vibration damping



- Portable and rugged receiving unit fitted with variable gain adjustment, rechargeable battery, audio output, headphones output with volume knob, calibration signal.

Also available

- GP1280MR model (without connector).
- Low Power version (from 3.1 Vdc to 5.5 Vdc, supply <5mA).
- Modified body for ultra deep applications (up to 2800m).
- Custom cable lengths and connectors.
- Reinforced resin body for long term deployments

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