

# Hydrophone GP1190

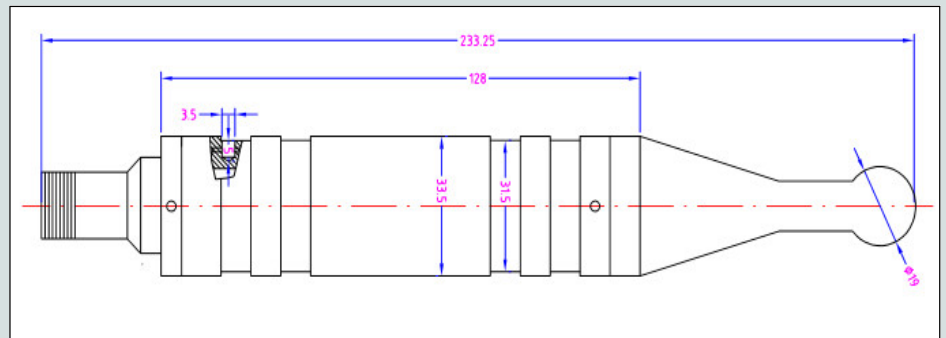


The GP1190 is a preamplified omnidirectional hydrophone, suitable for a wide range of applications requiring working frequencies up to the ultrasonic range (170 kHz). The device is a professional class measurement tool.



- High sensitivity
- Low self noise
- Working band up to 170 kHz
- Single or differential output
- Calibration input
- High quality of materials
- Gisma connector serie 35, 7 pin

Working band:	5 -170.000 Hz
High pass filter on preamplifier :	Customizable (on demand)
Balanced output sensitivity:	-172 dB re 1V/uPa @5kHz (customizable)
Single output sensitivity:	-178 dB re 1V/uPa @5kHz (customizable)
Directivity :	Spherical - Omnidirectional
Max working depth :	1000 m
Gain @5kHz:	26 dB (single output), 32dB (balanced output)
Equivalent input acoustic noise @5kHz:	38 dB re 1uPa / sqrtHz
Input impedance:	10 MOhm
Supply voltage range:	11.5 - 30 Vdc
Current consumption:	9 mA @ 12 Vdc
Output voltage swing:	6 Vpp (single output), 12 Vpp (balanced output)
Weight in air:	500 gr
Body construction:	Stainless steel AISI 316 or POMC with internal s.steel



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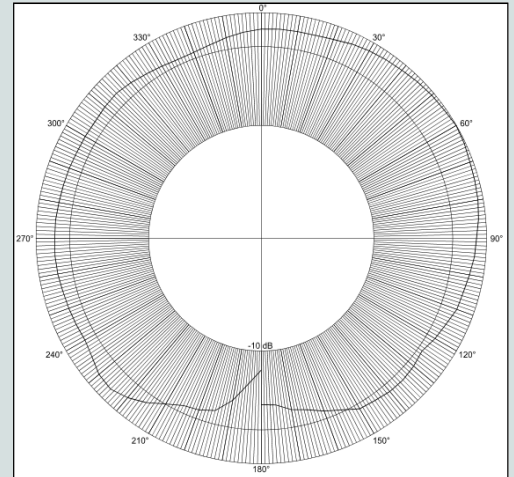
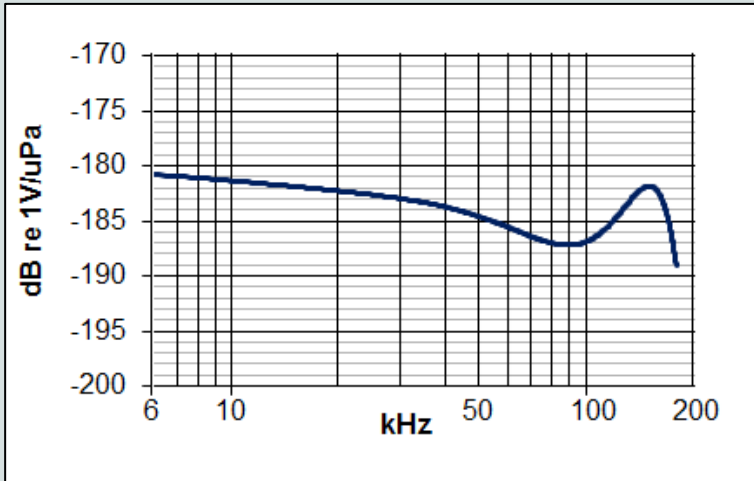


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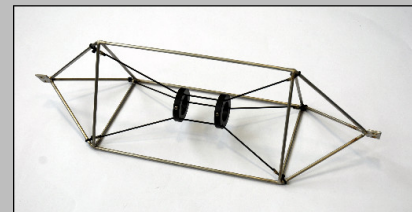
Receiving sensitivity (single output)

Vertical directivity pattern @ 70kHz



## Accessories and optional configurations

- Protective frame
- Protective frame with suspension system for vibration damping
- Portable and rugged receiving unit fitted with high frequency A/D National Instrument NI9222, up to 4 channel inputs, rechargeable battery and software "Colmar Mobile Acquisition System"



## Also available

- GP1190M model (directly molded with cable)
- GP1190LP model. Low Power version (from 3.1 Vdc to 5.5 Vdc, supply < 5mA).
- Ultra deep (up to 3500m) version.
- Custom cable lengths and connectors.



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