

GP1516 Hydrophone

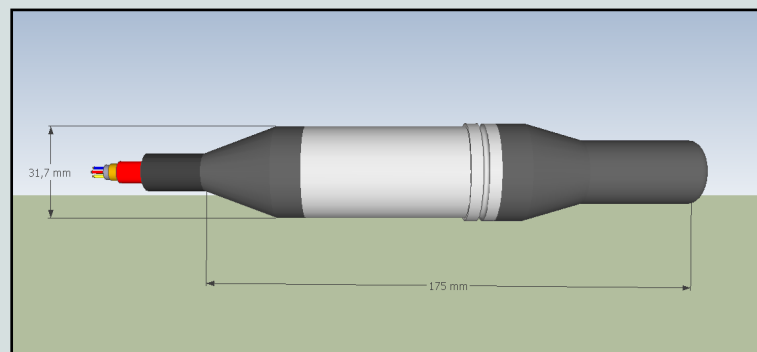


The GP1516 is a preamplified cylindrical hydrophone suitable for a wide range of applications. Its simple, high quality construction and the great number of available accessories make the GP1516 a reliable, robust, configurable and yet affordable sensor.



- High sensitivity
- Low self noise
- Single or differential output
- Calibration input
- High quality materials
- Robust
- Small and lightweight

Working band:	5-70.000 Hz
High pass filter on preamplifier:	Customizable (on demand)
Differential output sensitivity:	-166dB re 1V/uPa@5KHz
Single output sensitivity:	-172dB re 1V/uPa@5KHz
Horizontal directivity:	Omnidirectional on entire bandwidth
Vertical directivity:	Omnidirectional up to 40 kHz
Max working depth:	500m
Gain @5kHz:	30 dB (single output), 36dB (differential output)
Equivalent input acoustic noise @5kHz:	39 dB re 1uPa / sqrtHz
Input impedance:	10MOhm
Supply voltage range:	11.5– 30 Vdc
Current consumption:	9 mA @ 12 Vdc
Output voltage swing:	7Vpp (single output), 14Vpp (differential output)
Weight in air:	270 gr.
Body construction:	Stainless steel AISI 316

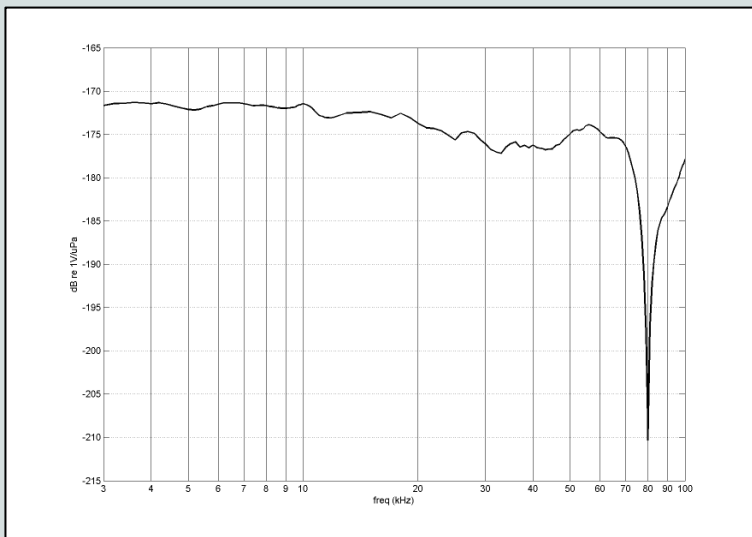


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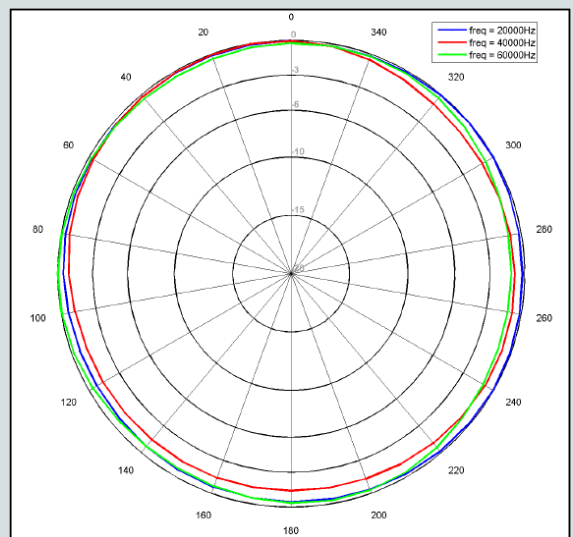


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Hydrophone sensitivity



Horizontal directivity @20/40 kHz



Accessories and optional configurations

- Protective frame
- Receiver unit fitted with variable gain adjustment, headphones, USB audio output
- Custom cable lengths and connectors



Also available:

- GP1516M model (without connector).
- Low power version
(V_{in} from 3.1 Vdc to 5.5 Vdc . $I_{in} < 5mA$) .

