

MODEL D/70/H

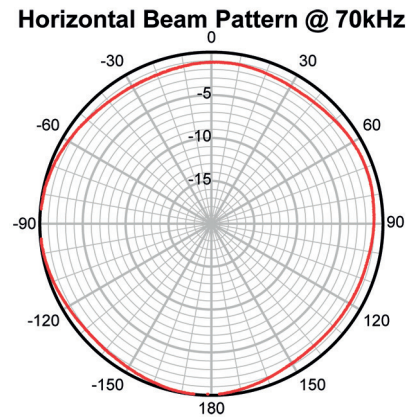
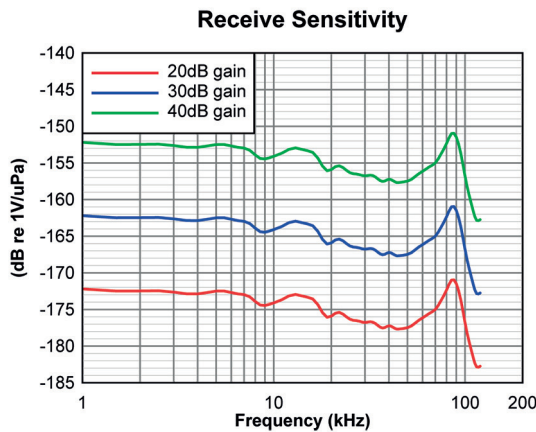


- **INTEGRAL PRE-AMPLIFIER**
- **MAXIMUM CABLE LENGTH 500M**
- **OMNI-DIRECTIONAL RESPONSE**
- **LOW NOISE PERFORMANCE**
- **BROADBAND OPERATION**
- **MARINE MAMMAL AUDIO SENSOR**

The D/70/H is a true spherical balanced element combined with a low noise differential pre-amplifier. Signals can be transmitted along cable lengths up to 500m, without any degradation. The preamplifier gain options of 20, 30 and 40 dB (are pre-set during manufacture) to suit the customer requirements.

A differential to single ended 'Surface Receiver' (Type T400) which includes additional filter and gain settings, can be supplied separately.

The D/70/H is available with or without acoustic calibration which is traceable to National Standards.



TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	70 kHz
Usable Frequency Range	5 Hz to 100 kHz
Beam Pattern Horizontal	Omni ±2 dB at 80kHz
Beam Pattern Vertical	240° ±3 dB at 80kHz
Output	Differential, 100Ω Impedance
Receive Sensitivity	-173 dB re 1V/μPa with 20dB gain
Gain is pre-set and cannot be adjusted.	-163 dB re 1V/μPa with 30dB gain
	-153 dB re 1V/μPa with 40dB gain
Power Supply	+20 to +30 Volts dc @ <100mA 25mA quiescent, 100mA (Max)
Noise	<3nV/√Hz RTI

