



M512-600

The M512-600 is a towed omnidirectional hydrophone. The hydrophone includes an electrical tow cable, rope drogue, and is neutrally buoyant. The hydrophone includes a pre-amplified output of 0 to 35 dB (selectable on order) with current signalling.

The M512-600 can be fitted with two hydrophones for increased reliability or directional capability. It is designed for towing at up to 7 knots.



Characteristics

Nominal Voltage Sensitivity (without preamp)	-195 dBV re 1 μ Pa @ 20°C
Frequency Range	5 – 20,000 Hz
Depth Rating	2000 m
Storage and Operating Temperatures	-40 to +70°C
Size: diameter, length	4.1 cm OD, 1m length
Connector	MCIL-8M

Pre-Amplifier

Preamp signalling	Current
Gain	0 – 35 dB (selectable on order)
Input Voltage	6.8 VDC nominal 4.5 – 30 VDC operating range
Band Pass	5 Hz HPF, no LPF installed (unless otherwise specified)
IRN	<30 nV/ \sqrt Hz @10 Hz <4 nV/ \sqrt Hz @1 kHz
Current Draw	4.2 mA