M5-900

The M5-900 is a medium frequency omni-directional hydrophone designed for marine observation. It comes with a pre-amplified output of 0 to 35 dB (selectable on order) with current or voltage signalling.

Characteristics

Nominal Voltage Sensitivity (without preamp)  -195 dBV re 1 μPa @ 20°C
Size  7.8” length, 1.3” max OD
Depth Rating  900 m
Storage and Operating Temperatures  -40 to +70°C
Labelling  Calibration parameters, serial number, date
Connector  MCBH-8M

Pre-Amplifier

Preamp signalling  Current or voltage (selectable on order)
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/√Hz @10 Hz
  <4 nV/√Hz @1 kHz
Current Draw  1.3 mA (at 6.8 VDC)
  4.2 mA with current signalling preamp
M5 Frequency Response (without preamp)