

General purpose hydrophone

H505L

SPECIFICATIONS

Output sensitivity	-160 dB re 1V/ μ Pa	
Amplifier gain	10 dB	
Typical spectrum noise:		
	at 10 Hz	54 dB re 1 μ Pa/ \sqrt Hz
	at 100 Hz	34 dB re 1 μ Pa/ \sqrt Hz
	at 1 kHz	15 dB re 1 μ Pa/ \sqrt Hz
	at 10 kHz	6 dB re 1 μ Pa/ \sqrt Hz
Frequency response:		
	± 3 dB	2.0 - 10,000 Hz
	Omnidirectional	2.0 - 5,000 Hz
Maximum operating depth	250 meters	
Maximum temperature	+80°C	
Output impedance	200 Ω	
Supply voltage	24 VDC	
Current, max	10 mA	
Bias output voltage, nominal	10 V	
Cable¹	J95, 5-conductor shielded, 0.25" dia.	
Jacket material	polyurethane	



Key features

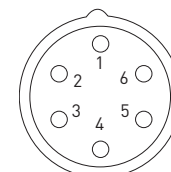
- Ultra low noise internal amplifier
- Designed for a wide variety of underwater acoustic measurements
- Manufactured in ISO 9001 facility

Notes: ¹ Cable length specified by customer at time of order.

Available underwater connectors: R12 (Brantner RMK-6-MP); R13 (Brantner AWM-6-MP)

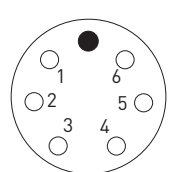
Available locking rings: LP = plastic locking sleeve for R12 or R13; LS = stainless steel locking sleeve for R12 or R13

R12 pinout

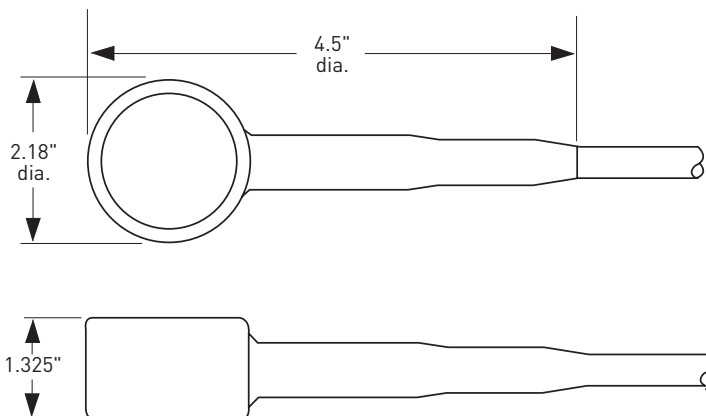


Face view

R13 pinout



Face view



Cable color	Function	Pin out
shield	case	1
black	common	2
red	B+, signal out	3
green	N/C	4
white	N/C	5
yellow	N/C	6

Export classification: ECCN 6A001

Note: Due to continuous process improvement, specifications are subject to change without notice.
This document is cleared for public release.