

VS-302 vector sensor installed in mount with bottom exit connector INTMOUNT-302-BE

SPECIFICATIONS

Output sensitivity, nominal:	
Accelerometer	1.25 V/g
Hydrophone	-165 dB re 1.0 V/ μ Pa
Full scale input range:	
Accelerometer	1.2 g peak
Hydrophone	285 Pa peak
Frequency response, ± 3 dB:	
Accelerometer	3.0 Hz - 8.0 kHz
Hydrophone	2.0 Hz - 10.0 kHz
Transverse sensitivity, max	5.0%
Power requirement:	
Voltage	6.8 - 12.0 VDC
Current, max (normal mode)	40 mA
Output type, differential	2.1 - 2.5 V bias
Output impedance, max	100 Ω
Pressure range:	
Operational, max	800 psi
Absolute max	1,000 psi
Operating temperature	-10° to +60°C
Dimensions (inches):	
Height	4.86
Length	10.75
Width	4.00
Materials:	
Mounting base	hard-anodized aluminum
Encapsulation	polyurethane
Connector output type	SEACON MINI-CON Series #MINK19-FCR
Mounting features	(2x) 0.328 inch drilled through holes for 5/16 or M8 mounting screws

Note: Vector sensor and mount are not REACH and RoHS compliant.

Key features

- Mount designed for VS-302 vector sensor installation on a UUV
- Acoustically transparent from mounting base up
- VS-302 Vector Sensor
 - Three orthogonal axis accelerometers and one omni-directional hydrophone
 - Pitch and roll, heading
 - Pre-amplifier and differential output
 - Micro-controller with RS-485 link
- Wide frequency band: 3Hz - 8kHz
- Low profile, small form factor, aluminum frame
- Two connector options: bottom exit and side exit, part number INTMOUNT-302-SE

PIN-OUT

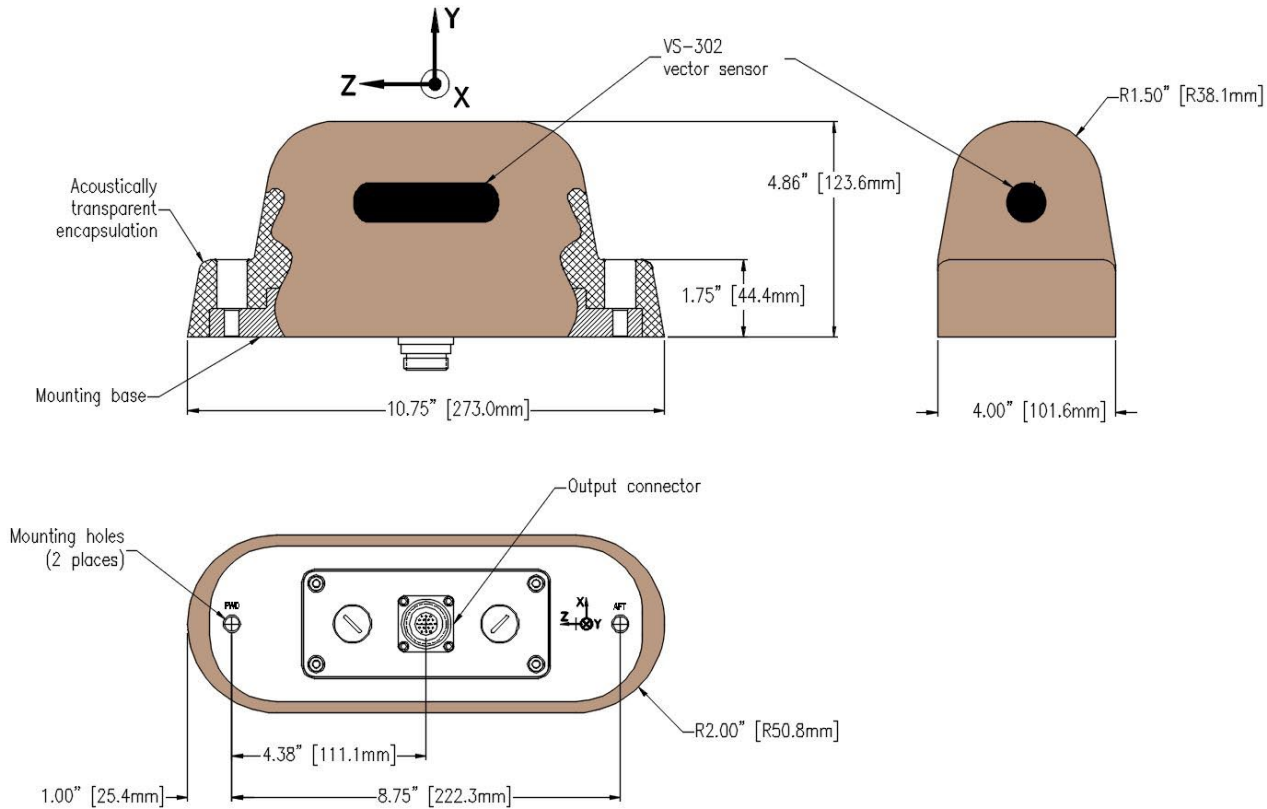
FUNCTION	ITEM #
POWER	19
GROUND	16
PWR SHIELD	15
H SIG +	12
H SIG -	7
H SHIELD	11
Z SIG +	3
Z SIG -	2
Z SHIELD	6
DATA +	1
DATA -	4
DIG SHIELD	5
Y SIG +	8
Y SIG -	13
Y SHIELD	9
X SIG +	17
X SIG -	18
X SHIELD	14

Note: Due to continuous process improvement, specifications are subject to change without notice.
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Vector sensor mount with VS-302 installed

INTMOUNT-302-BE (bottom exit)

DIMENSIONS



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