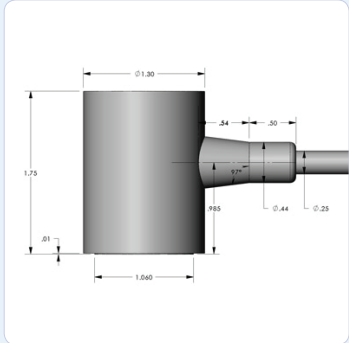


PRODUCT DATA SHEET

R6-UC Sensor
Underwater Sensor



DESCRIPTION AND FEATURES

R6-UC is a resonant underwater sensor with very high sensitivity. The sensor features special polymer coatings making it 100% insulated and non conductive with an integral waterproof cable for underwater use. The sensor is tested to depths of 1000 psi.

APPLICATIONS

The sensor can be used for the structural health monitoring of submerged structures like offshore oil and gas platforms, ships etc. They can be used inside any liquid filled platforms like pipelines, chemical tanks or any other submerged structures.

OPERATING SPECIFICATIONS

Dynamic

Peak Sensitivity, Ref V/(m/s) 78 dB
 Peak Sensitivity, Ref V/ μ bar -66 dB
 Operating Frequency Range 35-100 KHz
 Resonant Frequency, Ref V/(m/s) 50 dB
 Resonant Frequency, Ref V/ μ bar 90 KHz

Environmental

Temperature Range -65 to 177°C
 Shock Limit 500 g
 Completely enclosed crystal for RFI/EMI immunity

Physical

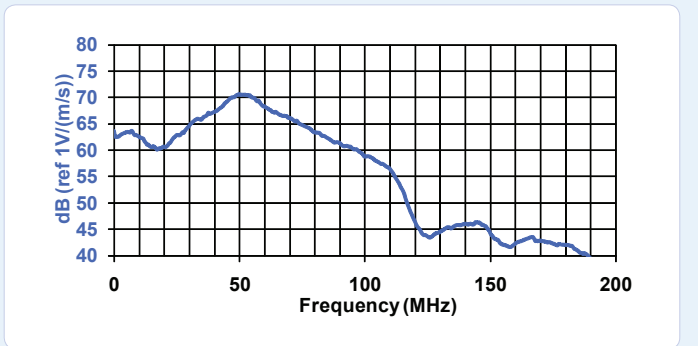
Dimensions 1.31"OD X 1.38"H
 33 mm OD X 35 mm H
 Weight 98 grams
 Case Material Stainless Steel/Epoxy
 Face Material Ceramic
 Connector BNC on integral cable
 Connector Locations Side

ORDERING INFORMATION AND ACCESSORIES

R6UC R6UC
 Cable (specify length in 'XX' m at end of PN) 1234-X
 Pre-amplifier 0/2/4, 2/4/6
 Preamp to System Cable (specify length in 'm') 1234-X
 Amplifier Subsystems AE2A, AE5A
 Other IS Sensors are available with various resonant frequencies.

Sensors include

NIST Calibration Certificate & Warranty



WORLDWIDE HEADQUARTERS:
 195 Clarksville Rd •
 Princeton Jct, NJ 08550 • USA
 T: +1.609.716.4000 • F: +1.609.716.0706
 E-MAIL: sales.systems@mistrasgroup.com

CANADA T: +1.403.556.1350
CHINA T: +86.10.5877.3631
FRANCE T: +331.498.26040
GERMANY T: +49.040.2000.4025
GREECE T: +30.210.2846.801-4

HOLLAND T: +31.010.245.0325
INDIA T: +91.22.2586.2444
JAPAN T: +81.33.498.3570
MALAYSIA T: +60.9.517.3788
MIDDLE EAST T: +973.17.729.356

RUSSIA T: +7495.789.4549
SCANDINAVIA T: +46(0)31.252040
S. AMERICA T: +55.11.3082.5111
UK T: +44(0)1954.231.612