

Hull Mounted Source



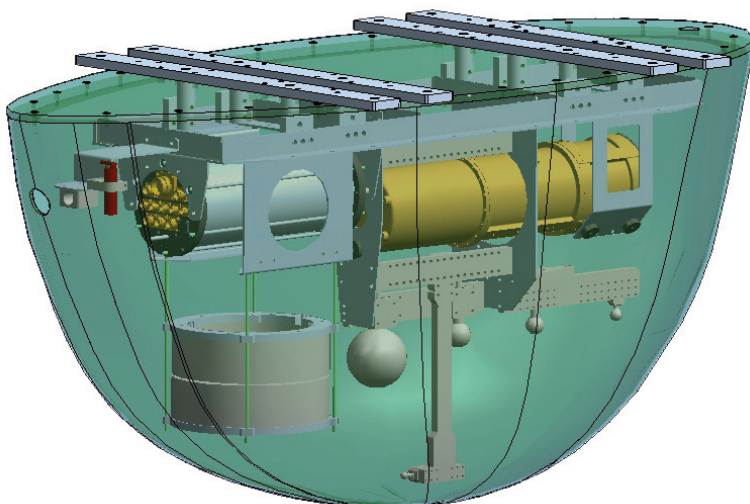
HULL MOUNTED SOUND SOURCE

The hull mounted transducer system can provide an array of several different transducers operating over a very wide frequency band in the range 20 Hz to 80 kHz. The system can be supplied complete with a signal generator, transducer matching and power amplifiers. The electronic system can also be installed in an ISO container for easy installation complete with Data Physics' handling system and a separate calibration array.



PRODUCT FEATURES:

- 20Hz to 80kHz operation
- Sound pressure levels to >195dB re 1 μ Pa at 1m
- Variable transducer configurations
- Provides a comprehensive sonar target without restrictions on manoeuvrability



High Performance Test & Measurement Solutions for Noise & Vibration Applications

The carbon fiber sonar dome can house a variety of transducers including electrodynamic, low frequency types; free flooded rings; flexensionals; spheres etc. These transducers can be driven by Data Physics comprehensive signal generator to form a versatile acoustic target that can generate mixtures of:

- Multiple narrow band lines
- Broadband noise
- Modulation effects
- Pulses and transients
- Echo repeating



This permits the deploying platform to provide a meaningful and variable target for detection by passive sonars as well as responding to active sonars and providing an acoustic source for proving active intercept sonars.

The electronic system can be combined with Data Physics calibration sonar array (see separate data sheet) to provide either a general target for training sonar operators or a calibrated target for proving sonar system performance.



SignalSound™
High Intensity & Underwater Acoustics

dp **Data Physics**
Corporation

DP-DS-UWHMS-1306.b
Specifications are subject to change without notice.

Data Physics Corporation is a supplier of high performance solutions for noise and vibration applications.

Data Physics offers four primary product lines: SignalCalc Dynamic Signal Analyzers, SignalStar Vibration Control Systems, SignalForce Shakers & Amplifiers, and SignalSound High Intensity and Underwater Acoustics. Headquartered in Silicon Valley and with offices and distributors throughout the world, Data Physics products are sold and supported worldwide.

Data Physics Corporation
1741 Technology Drive Ste.260
San Jose, CA 95110
Tel: 408-437-0100
Fax: 408-437-0509
www.dataphysics.com