

SignalSound™ UW350

High Intensity & Underwater Acoustics



UW350 UNDERWATER ACOUSTIC PROJECTOR

Model UW 350 is a compact, pressure compensated hydrosounder with a wide operating frequency band extending down to 20Hz. Manufactured mainly from aluminium bronze, the unit features a rare earth permanent magnet design for continuous operation at depths up to 188 m. Pressure compensation is achieved by means of a closed loop, passive internal air volume with a non-permeable bladder system. The UW350 features a high output and excellent beam patterns over its wide operating frequency range.

The UW350 has applications in sonar testing and evaluation, low frequency machine noise simulation and hydrophone calibration. Handling equipment, deployment cables, matching power amplifiers, signal generation and analysis equipment to complement the UW350 are also available.



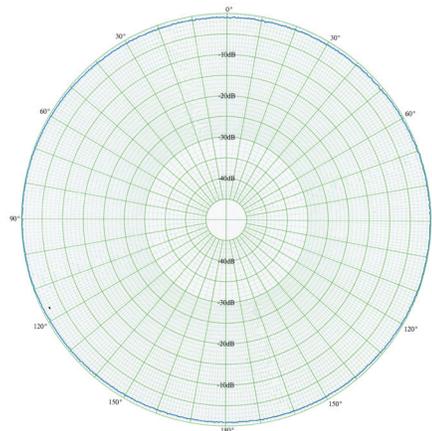
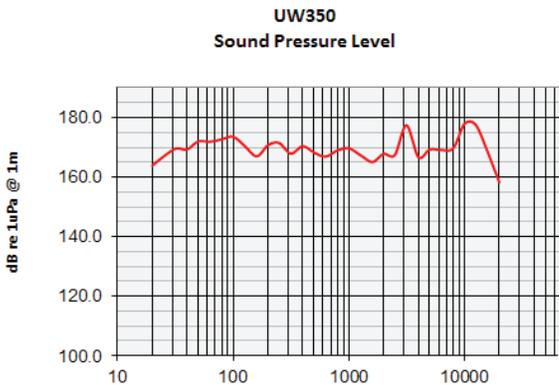
PRODUCT FEATURES:

- Passive pressure compensation
- Broad frequency response
- 165dB ref 1 μ Pa @ 1m average
- 188 m depth rating

High Performance Test & Measurement Solutions for Noise & Vibration Applications

PRODUCT SPECIFICATIONS:

Frequency Range	20-20 kHz
Average Source Level	>165 dB ref 1 μ Pa @1m
Beam Angle Horizontal	Omni directional ± 2 dB <500 Hz
Beam Angle Vertical	Omni directional ± 2 dB <500 Hz
Diaphragm Displacement	12.7 mm pk-pk
Maximum Input Power	1000 W (continuous rating)
Maximum input voltage	270 V
Maximum Operating Depth	188 m
Length	953 mm
Diameter	285 mm
Weight	100 kg (in Air)
Operating Temperature	-2° C to +40° C
Storage temperature	-40° C to +70° C



FREQUENCY: .5 Hz
 9° ALIGNMENT: MECHANICAL
 ROTATION: 360°
 3dB BEAMWIDTH: N/A
 OVERALL VARIATION: 1.2dB
 SMOOTHING APPLIED: None



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DP-DS-UW350-1306.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.

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