SignalSound™
High Intensity & Underwater Acoustics

Towed Sound Source

Data Physics Corporation

UNDERWATER TOWED SOUND SOURCE

PRODUCT FEATURES:

- Towing speeds up to 15 knots
- Towing depth to 188m depending on speed and cable scope
- Normal operation 20Hz to 20kHz, expandable to 60kHz
- Includes sensors for depth, pitch, roll, optional water temperature
- Includes hydrophone for acoustic monitoring
- Deck stowage cradle and full handling system available

High Performance Test & Measurement Solutions for Noise & Vibration Applications

PERFORMANCE AND SPECIFICATIONS:

- Electronic system rack mounted with antivibration mounts for installation at sea.
- Computer based signal generator able to produce multiple narrowband lines, multiple bands of broadband noise, amplitude and frequency modulation, pulses, transients.
- Includes data recording for full post-trials analysis.
- Includes spectrum analyser for monitoring hydrophone measurements and for recording acoustic data.
- Towing cable strain member of galvanised steel contra-helically wound wire or aramid
- Full user display showing towfish depth, pitch angle, roll angle, water temperature and all acoustic settings

System components include:

- Towfish
- Electronic system
- Towing cable
- Winch with optional slip rings
- Deck cable
- Cable sheaves to protect minimum bend radius
- A-frame/Davit/Sea Crane as required
- Optional sea container to house the entire system
- Operating and maintenance manuals

Towfish Detail	185kg (in air), 2.03 m L, 0.375 m W
Operating Temperature	0° C to +35° C
Storage temperature	-20° C to +50° C
Towing cable length	Up to 1000 m, usually 600 m
Maximum operating depth	188 m

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Specifcations 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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