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NASDrill RS925

Internationally compliant acoustic DP reference

The Imenco Nautronix NASDrill RS925 is an advanced subsea acoustic positioning system combining long baseline (LBL) and short baseline (SBL) operating modes.

It is designed specifically to meet the dynamic positioning (DP) reference requirements of ultra-deepwater drilling vessels by providing independent LBL and multiple SBL outputs to the DP system up to 1Hz. It is particularly suited to demanding applications of deep water offshore operations. RS925 delivers high accuracy, noise tolerance, and signal integrity

For further information, email
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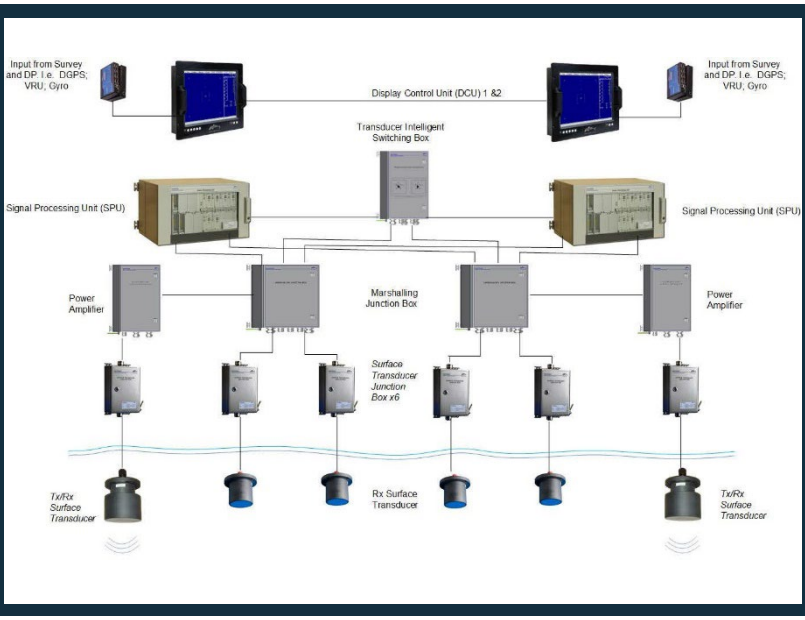
NASDrill RS925 System

Internationally compliant acoustic DP reference



Advantages

- Combine SBL & LBL, the two most accurate acoustic positioning techniques available
- SBL accuracy 0.15% slant range
- LBL accuracy 1.0 m RMS @ 4000 msw depth
- Small beacon grid size (normally 500-700 m)
- Integration with NASeBOP emergency acoustic BOP control system
- Differential riser angle monitoring (flex joint)
- Position and differential angle alarms / watch circles
- Redundancy in all aspects of the system
- Multiple independent SBL and LBL solutions
- Simple and fast calibration
- System configurable to meet client or operational requirements

Technical Specs

System hardware	• 17" integrated industrial touch screen display control unit (DCU) or 19" split unit option. • Signal processing unit housing multiple high-speed digital signal processors. • High resolution Windows Graphical User Interface (GUI). • Built-in spectrum analyzer to assist operations. • Directional receive and interrogate transducers. • Automatic hydrophone data rejection. • Intelligent acoustic/transponder/responder/Pinger beacons. • Simple transducer deployment system. • Integration with NASeBOP emergency acoustic BOP control system. • Configurable as dual redundant or split independent systems.		
Surface Transducers Transmit / Receive	Weight: 10.8kg Size: 210mm diameter x 267mm height Transmit beamwidth: 60° at 11kHz Receive beamwidth: 60° at 17kHz	Surface Transducers Receive	Weight: 4kg Size: 230mm diameter x 170mm height Beamwidth: 40° at 22kHz
Inputs	Up to 9 serial sensor inputs e.g., GPS, motion sensor, gyrocompass	Outputs	Serial output data to: Dynamic positioning systems, Printer Logging, Navigation systems etc.
Interfacing	2 RS232 serial ports, 16 configurable RS232/422/485, Up to 6 x USB 2.0	System Software	Self-test routines, Real time alarm and error reporting, Real time data logging
System Options	• Additional transducers (max 8 inc 2 Tx/Rx) • Redundant hardware (dual or triple) • Transducer deployment system(s) • Remote monitor(s) • Flotation collars • Maxi beacon mounting bracket	Beacons	• ADS2 maxi beacons P/N 135-101-000 (position or riser angle) • ADS2 maxi beacons with acoustic release P/ N 135-105-000 (position or riser angle) Maxi beacon configuration kit P/N 3018-0077 • ADS2 high power mini ROV positioning beacons P/N 129-008-000

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