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Datasheet

Dynamic Positioning Transponder with Inclinometer (DPTi)

Description

The Type 8132 Dynamic Positioning Transponder with dual-axis inclinometers (DPTi) is designed to monitor the angle of the riser flex joint on a drilling vessel.

Available with a 3,000 metre rated directional transducer, DPTi's are equipped with a depth sensor and advanced power and gain controls if required.

DPTi's support Sonardyne Wideband™ signals, tone frequencies and all HPR 300/HiPAP® channels. DPT also supports Sonardyne command and control options.

Key Features

- Depth rated to 3000 Metres
- Incorporates Sonardyne's latest Wideband™ Technology
- Multiple operating modes; tone burst and wideband
- Hundreds of operating channels allowing truly independent acoustic operations
- Standard Sensors – inclinometer, depth & temperature
- Mounting kit to ensure relocation into the same installed position after battery change
- Easy to set-up and test using PC software, PTT or DTU

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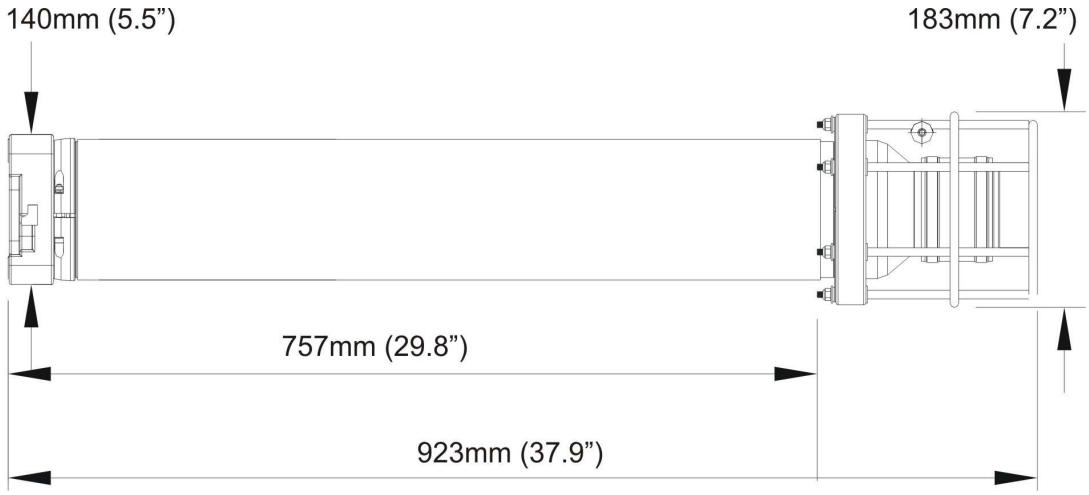
Specifications

Dynamic Positioning Transponder with Inclinometer (DPTi)



Feature	Type 8132 (DPTi)
Depth Rating	3,000 Metres
Operating Frequency	MF (18–36kHz)
Transducer Beamshape	Directional
Transmit Source Level (dB re 1µPa @ 1m)	194-204dB (3 Levels)
Receive Sensivity (dB re 1µPa)	85-130dB (4 Levels)
Relative Positioning Accuracy*	±5cm
Number of Unique Addresses (Wideband)	224
Number of Unique Addresses (Tone)	All Sonardyne/Simrad
Battery Life (Listening, Disabled)	833 days (Alkaline) 1390 days (Lithium)
Dimensions (LxDia)	923mm x 135mm
Base Dimensions (WxD)	140mm x 140mm
Weight In Air	23.2kg
Weight in Water	11.4kg
Temperature (±0.1°C)	Standard
Tilt Switch (±30-45°)	Standard
Strain Gauge Pressure Sensor (±0.1%)	Standard
Housing Material	Aluminium alloy
Inclinometer measurement	±10° span, ±0.05° accuracy

* Using Wideband acoustics. Depends on knowledge of sound speed