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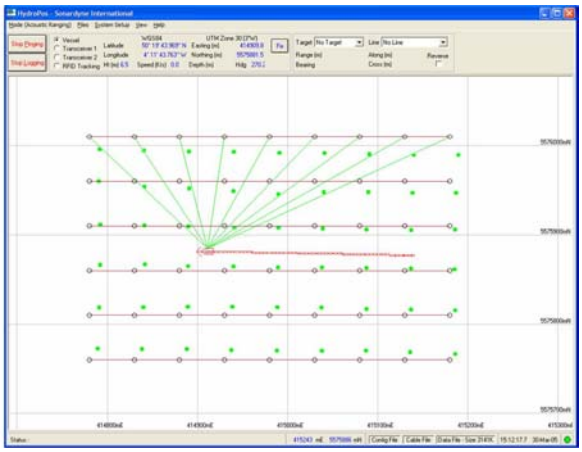
Datasheet

OBC 12 Transceiver



Description

The Type 7911 transceiver used by Sonardyne's TZ/OBC positioning system has a remote transducer which is generally deployed in an over the side arrangement, or through hull.

On command from a PC equipped with Hydropos software, the transceiver interrogates the seabed transponders and simultaneously take in DGPS information. This raw data is then processed in real time to produce ground station positions to better than 2 metres absolute. Raw data can also be output to the client's own navigation processor for independent final network adjustment.

Key features

- Can receive all 9 replies from a group of transponder simultaneously
- Can interrogate all 401 VLCT address groups
- Shock mounted internal electronics
- Remote transducer and submersible transceiver provides maximum flexibility during mobilisation
- Plugs directly into Concept systems Gator system, or used with Hydropos
- High quality AG&G connectors for power, comms and remote transducer

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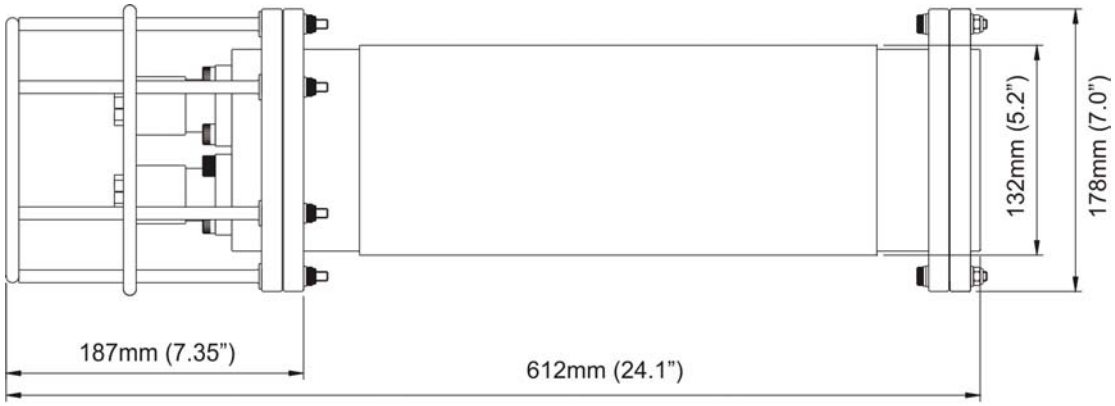
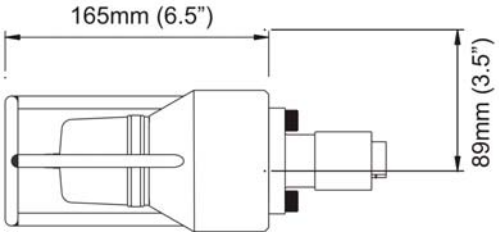
Specifications

OBC 12 Transceiver





Feature	Type 7911 Transceiver
Operating Frequency	HF (35-55 kHz)
Transmit Source Level	>188-190dB
Receive Sensitivity (dB re 1µPa @1m)	<92-98 dB
Range Jitter (1 Std Deviation)	~25us Typical
Receive Channels	12 Parallel + 18 Virtual
Power	12-24V DC (Max 500mA)
Communications	RS232 @ 38400 Baud
'Connections	8-Way AGP (Power and Communications) / 4-Way AGP (Remote Transducer)
Hardware Trigger (Sync)	+5V DC (Upto Isolated)
Mechanical Construction	Anodised Aluminum Alloy and Plastics
Dimensions (LxDia)	612mm (24.1") x 178mm (7.0")
Weight in Air	11.5kg
Weight in Water	7.5kg

Feature	Type 7912 Remote Transducer
Operating Frequency	HF (35-55 kHz)
Depth Rating	500 Metres
Cable Length	6 Metres Standard (Extendible to 10 Metres)
Mechanical Construction	Plastics, Stainless Steel Connectors and Guard
Dimensions (LxDia)	165mm (6.5") x 178mm (7.0")
Weight in Air	1.5kg
Weight in Water	0.9kg