



Highly Accurate LF LBL System

Broadband Acoustic Spread Spectrum Technology

Main Features

Improved Accuracy and reduced cost

Broadband Acoustic Spread Spectrum Technology

State of the art DSP technology

Broadband transducer technology

Sophisticated self-calibration function

Power efficient transponder

Integrated acoustic communication capability

System Specifications

Accuracy: 0.3 to 2.0 meters

Range: Up to 10000 meters without acoustic modem function
Up to 7000 meters with acoustic modem function

Transceiver Depth Rating: 2000, 4000 or 7000 meters

Transducer Beamwidth: Omni-directional (210 degrees)

Operating Frequency: 7.5 to 12.5 kHz

Transceiver Dimension: 15 cm x 54 cm

Transceiver Transmit Power: 50 watts

Voltage: 18V – 28V

Operating Temperature: -5 to 45°C

Storage Temperature: -25 to 75 °C

Transceiver Weight in Water: 6.4 kg

Intelligent Transponder Specification

Transponder beamwidth: Omni-directional (210 degrees)

Operating Frequency: 7.5 to 12.5 kHz

Depth Rating: 2000, 4000 or 7000 meters

Transmit power: 200 watts

Receive power: 0.8 watt

Sleep Mode Power Consumption: 8 mwatts

Continuous Responding Time: 7 x 20 hours

Operational Time: 2 years

Dimension: 15 cm x 86 cm

Weight in water: 13 kg

Configurable Address: 32

RS-232 Configuration: 9600 Baud, 1 start bit, 1 stop bit, no parity bit, and no flow control

Optional: High Speed Communication

Optional: Self-calibration function



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