

# PINGER RECEIVER MODULAR ROV

Online Electronics' versatile 2001RS 2401 2402 ROV system is a pipeline pig monitoring system used for tracking and locating underwater acoustic pingers.

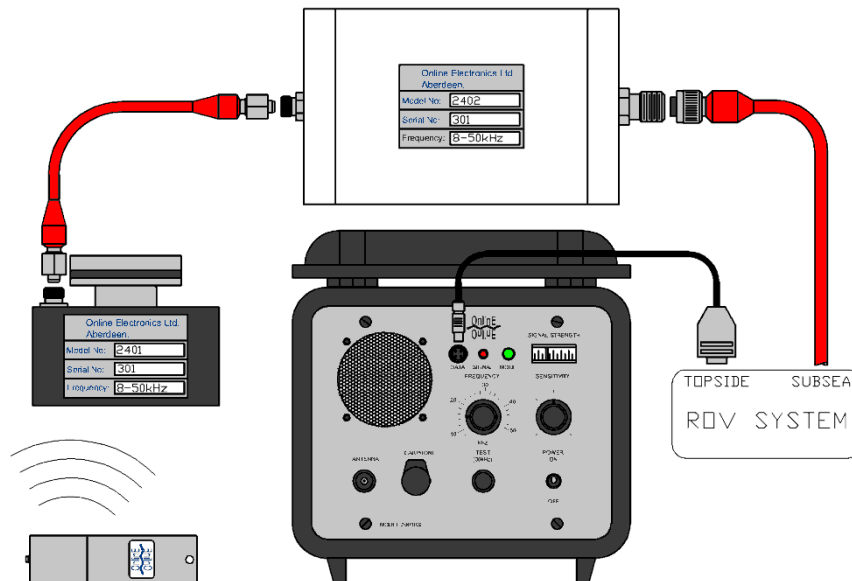
The 2001RS is a portable, battery powered acoustic receiver tuneable to any frequency between 8kHz and 50kHz. The receiver has loudspeaker and headphone audio outputs, an easy to interpret signal strength meter, simple frequency and sensitivity controls, and self-test/battery test functions.

The 2401 is a directional hydrophone designed for use by ROV. The directional sensitivity of the 2401 hydrophone allows the operator to locate acoustic transmitters by observing the received signal level and the relative orientation of the 2401 hydrophone

The 2402 acoustic pod is a subsea interface which communicates with the 2001RS via a serial, RS232, data link. The 2402 acoustic pod receives acoustic signals from the 2401 ROV hydrophone, digitises them, and then transmits them to the 2001RS over the RS232 link. The RS232 link is also used by the 2001RS to control the 2402 acoustic pod frequency and sensitivity.

## Key Benefits:

- Capable of detecting acoustic transmissions over distances of several kilometres
- Topside sensitivity adjustment allowing accurate locating of acoustic pingers via ROV
- Minimal set up required ensuring time is not lost setting up multiple parameters



**SPECIFICATIONS**

**2001RS**

Frequency Range.....8kHz to 50kHz  
-6dB Bandwidth ..... 1kHz  
Battery life at +5°C ..... 150 hours continuous  
Battery type ..... 12VDC (8x DURACELL ID1300 D CELLS)  
Operating temperature range.....-2°C to +50°C (+28°F to +122°F)  
Height..... 178mm (7")  
Width..... 268mm (10.5")  
Depth ..... 241mm (9.5")  
Weight ..... 4.4kg (9.7lbs)

**2401 ROV HYDROPHONE**

Supply voltage (from 2402) ..... +12VDC  
Operating depth ..... 3,000m (9,842m)  
Operating temperature range.....-2°C to +50°C (+28°F to +122°F)  
Height.....78mm (3")  
Width..... 148mm (5.8")  
Depth ..... 86mm (3.4")  
Weight (water)..... 1kg (2.2lbs)

**2402 ACOUSTIC POD**

Supply voltage (from ROV) .....+24VDC (+18VDC to +36VDC)  
Operating depth ..... 3,000m (9,842m)  
Operating temperature range.....-2°C to +50°C (+28°F to +122°F)  
Length (including connectors) ..... 300mm (11.8")  
Diameter ..... 155mm (6.1")  
Weight (water) ..... 1.1kg (2.4lbs)

