



The Acoustic Pipeline Leak Detection (APLD) allows rapid detection and the locating of leaks by scanning over the suspect area. The system can be deployed using an ROV, AUV, towed vehicle or can be diver held. Software rejection of sounds of frequencies below 30kHz enables automatic filtering of most of the acoustic noise generated by the ROV or attendant vessel.

The two channel system allows one or more sensor types (fluorometer and acoustic) to be operated simultaneously for more efficient detection.

The sensors are connected to a processor board that is mounted within a pressure housing mounted on the ROV. The processor produces data in RS232 and RS485 (operator selectable) format for transmission to the surface via the ROV umbilical. Power is supplied by the ROV (12 to 30VDC). For diver operations, the sensor connects to the surface PC via a diver to a surface cable and a pressure housed RS485 signal converter.

Features:

- Diver, ROV or towed
- Direction Hydrophones
- Variable Press. & Flow
- Quick fit to ROV
- Easily mobilised
- Real time processing
- Field proven

Specifications:

- | | |
|----------------------|-------------------|
| • Sensor Dimensions | ø55 x250Lmm |
| • Subsea Connector | 6-Way |
| • Electrical Inputs | 6 to 15VDC |
| • Electrical Outputs | 0 to 2.5VDC |
| • Frequency Response | 30kHz to 140kHz |
| | 40kHz to 150kHz |
| • Gain Options | 49, 52, 60 & 72dB |
| • Depth Rating | 2000msw |