



## EMRx Subsea

The Online Electronics EMRx Subsea receiver is a robust, state of the art, multi-frequency, electromagnetic (EM) receiver used for locating lost or stalled pigs and tracking pigs fitted with any EM pig transmitters. It can also be used to confirm a pig has left or arrived at a particular location and for general monitoring of pig movements.

### Key benefits:

- Has the potential to greatly reduce downtime, and therefore costs, by facilitating the process of locating a stalled pig or confirming if a pig has left the launcher or been successfully received.
- The enhanced sensitivity permits the location of transmitters even within very heavy walled receivers/launchers, pipeline bundles or Pipe-in-Pipe.
- Detection through pipeline walls in excess of 40mm is possible dependent on transmitter settings and environmental factors.
- Multi-frequency feature allows user to identify and locate individual pigs.
- Digital Signal Processing (DSP) provides enhanced functionality, signal-to noise ratio and frequency selectivity.
- Intuitive and easy to use - one control on the unit carries out all functions.
- The EMRx Subsea shares common features and functionality with the EMRx Onshore ensuring a smooth and simple transition between the two units.

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The EMRx Subsea unit provides three colour coded (red, white and blue) 20x LED bargraphs which can be individually configured in the field via OEL's EMRx Applications to display received signal at any frequency between 10Hz and 30Hz.

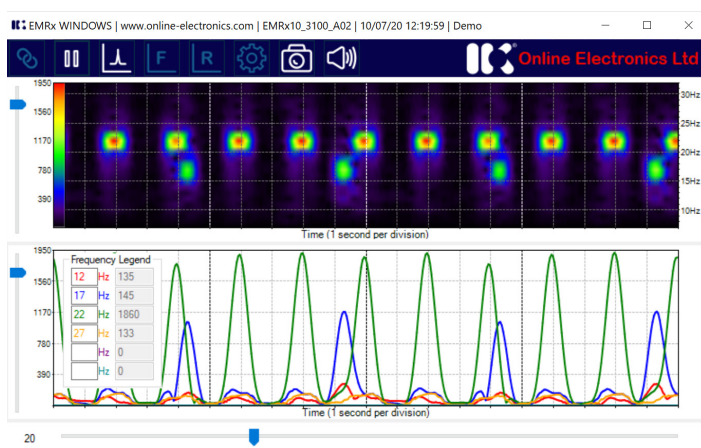
The unit may be powered from internal batteries or from an external 24VDC supply. Handles suitable for use by divers or fishtail type handles suitable for ROV manipulators can be provided.

### Specification

Lifetime used continuously	72 hours
Battery Type	6x 1.5V, Alkaline, AA cells
External Supply	15VDC to 28VDC
Subsea Connector	BURTON 5506-1508 FCR
Communication Protocol	RS485
Operating Temperature	+0°C to +40°C (32°F to 104°F)
Maximum Operating Depth	3000m (9843ft)
Housing Material	Acrylic
Endcap Material	Acetal

### Weights and Dimensions (excluding handle)

Length	365mm (14.4")
Width	148mm (5.8")
Height	148mm (5.8")
Weight in air	4.5kg (9.9lbs)



EMRx Windows Application displaying Intensity Chart and Signal Chart.

