

EMRx Subsea EM Receiver



The 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 or magnets. 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

- The enhanced sensitivity permits the location of transmitters even within very heavy walled receivers/launchers (in excess of 40mm), pipeline bundles or Pipe-in-Pipe. This is dependent on transmitter settings and environmental factors.
- Includes option to relay received signal back to the surface via ROV umbilical using RS485, allowing it to be interpreted topside via IK Trax's EMRx App
- Multi-frequency feature allows user to identify and locate individual pigs.
- Digital Signal Processing (DSP) allows use in high noise environments with more reliable signal acquisition.
- Intuitive and easy to use - one control on the unit carries out all functions.

Interested in hearing more about this, or other applications?
Contact our IK Trax specialists at:

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The EMRx Subsea provides three colour coded (red, blue and white) 20x LED bargraphs which can be individually configured in the field via Bluetooth or Windows App to display received electromagnetic signals at any fixed frequency between 10Hz and 30Hz.

The EMRx Apps provide advanced functionality such as tracking and logging six colour coded frequencies, an audio output and the ability to take screenshots of points of interest.

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.

The EMRx Subsea shares common feature and functionality with the EMRx Onshore and EMRx Ex ensuring a smooth and simple transition between the units.

PRODUCT SPECIFICATION

Battery Type	6x 1.5V, Alkaline AA Cells
Typical Battery Life continuous	72 hours
External Supply	15VDC to 28VDC
Subsea Connector	BURTON 5506-1508 FCR
Communication Protocol	RS485
Frequency Range	10Hz to 30Hz
Temperature Range	+0°C to +40°C (32°F to +104°F)
Maximum Operating Depth	3000m

MATERIALS & DIMENSIONS

Housing Material	Acrylic
Endcap Material	Acetal
Diver Handle Material	Acetal
Optional ROV Fishtail Handle Material	Stainless Steel
Length	365mm (14.4")
Width	148mm (5.8")
Weight (in air, excluding handles)	4.5kg (9.9lbs)
Weight (subsea, excluding handles)	1.5kg (3.3lbs)

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