

PRODUCT

# EMRx Ex//



THE ONLINE ELECTRONICS EMRx EX RECEIVER IS AN ATEX-RATED, 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) 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.
- The EMRx Ex Onshore shares common features and functionality with the EMRx Subsea ensuring a smooth and simple transition between the two units.

**INNOVATIVE  
KNOW-HOW**

Online Electronics  
T: +44 (0) 1224 714714  
E: oel-sales@ik-worldwide.com

[online-electronics.com](http://online-electronics.com)

PRODUCT

# EMRx Ex//

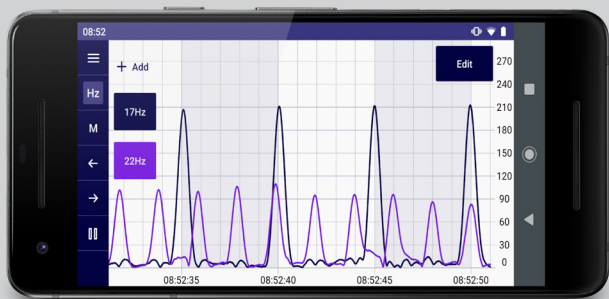


The EMRx Ex unit provides three colour coded (red, blue and white) 20x LED bargraphs which can be individually configured in the field via Bluetooth using OEL's EMRx Applications to display received signal at any fixed frequency between 10Hz and 30Hz.

The EMRx Applications can allow advanced receiver functionality such as tracking six colour coded frequencies, an audio output and the ability to mark a point of interest on the signal chart along with any relevant notes that can be reviewed at a later date.

## PRODUCT SPECIFICATION//

Typical Lifetime used continuously with Bluetooth	30 hours
Typical Lifetime used continuously without Bluetooth	100 hours
Battery Type	6x 1.5V, Alkaline, AA Cells
Frequency Range	10Hz to 30Hz
Operating Temperature Range	-20°C to +54°C (-4°F to 129°F)
Length	369mm (14.5")
Width	92mm (3.6")
Weight	1.9kg (4.2lbs)
Housing Material	Polycarbonate
Endcap Material	Acetal
Bumper Material	EPDM Rubber
Certification Markings	II 1 G Ex ia IIC T4 Ga
UKEx Certificate Number	EMA 22 UKEx 0049 X
EU Type Examination Certificate Number	ERO 22 ATEX 0008 X
IECEX Certificate Number	IECEX EMT 22.0003 X



EMRx application Signal Chart displaying on an ATEX device a 22Hz transmitter pulsing once every 2 seconds and a 17Hz transmitter pulsing once every 5 seconds.



Online Electronics  
T: +44 (0) 1224 714714  
E: oel-sales@ik-worldwide.com

[online-electronics.com](http://online-electronics.com)