

# EMRx Ex EM Receiver



The Online Electronics EMRx EX receiver is a hazardous area Zone 0 world-certified, multi-frequency, electromagnetic (EM) receiver that allows you to carry out your pig locating operations safely and conveniently whilst complying with governing body regulations.

## Key Benefits

- Eliminates the need for a hot work permit
- 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.
- IK Trax's EMRx App provides a visual representation of magnetic as well as electromagnetic signals providing contingency for pig detection or the ability to detect solely from a magnetic source.
- 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:

**IK Trax**  
T: +44 (0)1224 714714  
E: Sales@iktrax.com

# EMRx Ex EM Receiver

The EMRx Ex 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 Ex can also be configured to display received magnetic signals on the top row of LEDs.

The EMRx Apps provide advanced functionality such as tracking and logging 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.

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

## PRODUCT SPECIFICATION

Battery Type	6x 1.5V, Alkaline AA Cells
Typical Battery Life continuous use with Bluetooth	30 hours
Typical Battery Life continuous use without Bluetooth	100 hours
Frequency Range	10Hz to 30Hz
Temperature Range	-20°C to + 54°C (-4°F to + 129°F)

## MATERIALS & DIMENSIONS

Housing Material	Polycarbonate
Endcap Material	Acetal
Bumper Material	EPDM Rubber
Length	369mm (14.5")
Width	92mm (3.6")
Weight	1.9kg (4.2lbs)

## CERTIFICATIONS

ATEX/IECEX Code	II 1 G Ex ia IIC T4 Ga
EU Type Examination No	ERO 22 ATEX 0008 X
IECEX Cert No	IECEX EMT 22.0003 X
UKEx Cert No	EMA 22 UKEx 0049 X

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

**IK Trax**  
T: +44 (0)1224 714714  
E: Sales@iktrax.com