

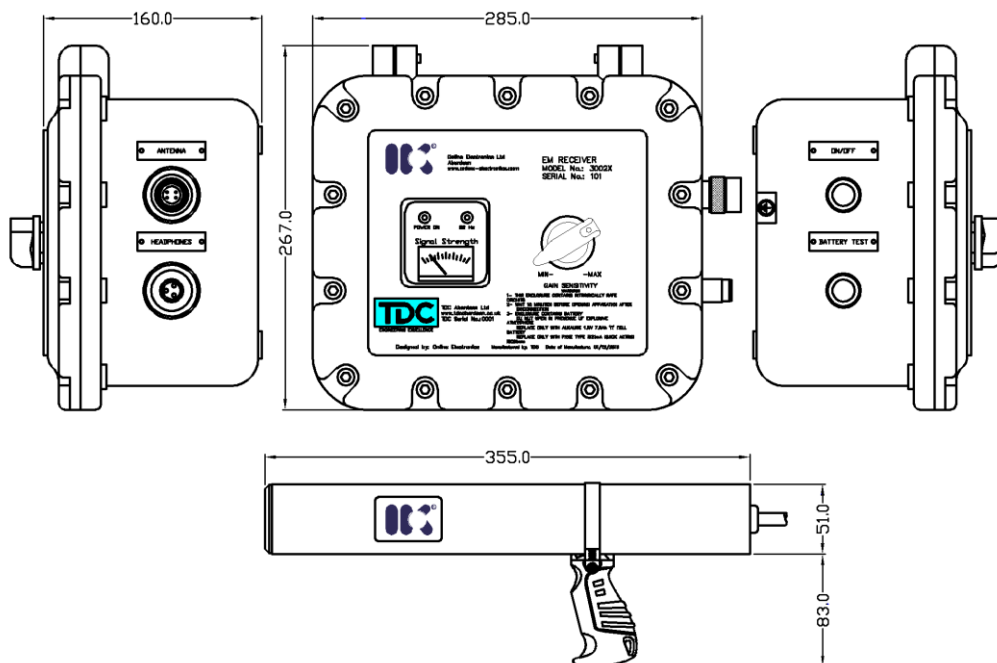
# ELECTROMAGNETIC RECEIVER TOPSIDE ATEX

Online Electronics' versatile 3002X 3003X system is a 22Hz Electromagnetic Receiver ATEX compliant system for use in Zone1 areas for pig locating and tracking onshore and offshore. The system can be used to find lost and stuck pigs, to confirm a pig has left or arrived at a particular location and for general monitoring of pig movements.

The system consists of a 3002X receiver and 3003X antenna which can receive a signal from an EM Transmitter which is fitted to the pig inside the pipeline.

Features include an audio output socket which allows the operator to listen to the received signal using the supplied ATEX certified headset. The audio output is derived directly from the received 22Hz signal, allowing the operator to detect subtle changes in the received signal level. An analogue meter fitted to the front of the unit indicated the received 22Hz signal level. Controls consisting of an ON/OFF button, GAIN SENSITIVITY ADJUSTMENT and a BATTERY TEST button.

Detection through pipeline walls in excess of 40mm thick is possible dependent on several factors including the type of transmitter used, distance between antenna and transmitter, pig design, pig speed, pipeline diameter, pipeline material and background EM noise levels. Please contact OEL to discuss the most effective configuration



## Key Benefits:

- EM transmitter detection without opening launcher/receiver door saving time
- Sensitivity adjustment allowing accurate location of EM transmitters
- Minimal set up required ensuring time is not lost setting up multiple parameters
- Powered by Alkaline cells so no issues with transportation or certification
- Zone 1 Aluminium explosive proof enclosure allowing use in Zone 1 areas.

# **SPECIFICATIONS**

## **3002X EM RECEIVER**

Battery life.....35 hours  
Battery type..2x ALKALINE 1.5V 7.8Ah C Cells (DURACELL INDUSTRIAL ID1400 recommended)  
Operating temperature range ..... -20°C to 54°C (-4°F to +129°F)  
Housing material.....Aluminium  
Weight in air ..... 13kg (28.7lbs)

## **3003X ANTENNA**

Operating temperature range .....0°C to 40°C (+32°F to +104°F)  
Housing material..... 316 Stainless Steel (NACE STD MR075-2002)  
Weight in air (Including 10m Cable) ..... 4kg (8.8lbs)