

GAS PRESSURE MONITORING

OVERVIEW

The Abriox OSPREY PL4 is an intrinsically safe, battery-powered remote monitoring unit that can be installed in Pressure Regulating Stations, District Governors, City Gates, posts and meter boxes to monitor gas pressure up to 100bar.

In conjunction with the OSPREY MCA a total of 3 pressure channels are available. In this configuration you can monitor multiple pressures for a complete overview of the network performance; inlet/outlet of Pressure Regulating Stations and filter differentials.

Data is transmitted automatically or on-demand to the PressureTrac® system for displaying, interpreting and archiving the results and for export into 3rd party network management software and other business systems.

OSPREY is extremely versatile and, as well as routine pressure monitoring, can be deployed in Incident Evaluation Mode (IEM) to cater for emergency situations including poor pressure, blockages, ingress or non routine operations on the gas distribution network.

The unit can be accessed directly giving accurate pressure in real time. Simply fix the unit in place, connect it to the gas supply and activate it with a magnet (supplied); from then on everything is automatic – after a few minutes the green light will flash to indicate that installation is complete. The whole process can be done in 20-30 minutes at site and in all weather conditions. OSPREY can be supplied with a roaming SIM that will allow unrestricted access to a host of networks.

A key feature of OSPREY is its inbuilt GPS module which provides timing reference so that measurements are logged precisely, with no drift or offset. No manual data cleansing is required.

GPS also enables the software to identify its geographic location automatically, ensuring that data is always uniquely identified with the correct monitoring point.

FEATURES AND BENEFITS

- ▶ Integrated pressure channel options 100mbar, 1bar, 3bar, 10bar & 100bar
- ▶ 2 additional pressure channels when used with OSPREY MCA (sold separately)
- ▶ Instant reading to mobile phone during installation
- ▶ Custom high/low alert thresholds
- ▶ Ambient temperature monitoring
- ▶ Incident Evaluation Mode (IEM)
- ▶ Inbuilt GPS timing and location
- ▶ Auto-installation routine
- ▶ Automatic daily upload
- ▶ 5 - 10 year battery life (mode and temperature dependant)



SPECIFICATIONS

DIMENSIONS (H X W X D)

- ▶ 295mm x 90mm x 56mm

INGRESS PROTECTION

- ▶ IP67

TEMPERATURE RANGE

- ▶ -40°C to +70°C

INPUT RANGE

- ▶ 100mbar, 1bar, 3bar, 10bar, 100bar

SENSOR MEDIA COMPATIBILITY

- ▶ Any gas compatible with stainless steel

NUMBER OF PRESSURE CHANNELS

- ▶ 1

PRESSURE CONNECTION

- ▶ 1/4" BSPT

COMMUNICATIONS

- ▶ 4G and 2G Networks

BATTERY

- ▶ 5 - 10 years (mode and temperature dependant) with internal battery gauge. User replaceable

SOFTWARE PLATFORM

- ▶ PressureTrac®

ABOUT US

Abriox is a dynamic high technology company specializing in remote monitoring and control for pipelines with European and International Headquarters in the UK and US Headquarters in Texas.

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