

### GAS PRESSURE MONITORING

#### OVERVIEW

The Abriox OSPREY SP Multichannel Remote Pressure Monitor is a solar-powered remote monitoring unit that can be installed in pressure regulating stations, district governors and city gates to monitor gas pressure up to 1450psi.

The OSPREY SP provides 'always on' anytime communications. Data is transmitted automatically every hour or on-demand to the PressureTrac system giving accurate pressure in real time; displaying, interpreting and archiving the results and for export into 3rd party network management software and other business systems.

OSPREY is extremely versatile, as well as routine pressure monitoring, it can 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 installation process can be done in 20-30 minutes at site and in all weather conditions. OSPREY is supplied with a roaming SIM that will allow unrestricted access to a host of networks.

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.

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 1.45psi, 14.5psi, 43.5psi, 145psi & 1450psi
- ▶ 2 additional pressure channels when used with OSPREY MCA
- ▶ Instant reading to cell phone
- ▶ Custom high/low alert thresholds
- ▶ Ambient temperature monitoring
- ▶ Inbuilt GPS timing and location
- ▶ Auto-installation routine
- ▶ Automatic daily upload
- ▶ 5 year battery life (mode and temperature dependent)



#### SPECIFICATIONS

##### DIMENSIONS (H X W X D)

- ▶ 23.5" x 11.8" x 5.9"

##### INGRESS PROTECTION

- ▶ NEMA 3S

##### TEMPERATURE RANGE

- ▶ -40°F TO +140°F

##### INPUT RANGE

- ▶ 1.45psi, 14.5psi, 43.5psi, 145psi & 1450psi

##### SENSOR MEDIA COMPATIBILITY

- ▶ Any gas compatible with stainless steel

##### NUMBER OF PRESSURE CHANNELS

- ▶ 1 (3 total with OSPREY MCA)

##### COMMUNICATIONS

- ▶ 4G (LTE Cat.1) and 3G networks

##### BATTERY

- ▶ Rechargeable lead acid. 5 years (mode and temperature dependent). User replaceable.

##### SOFTWARE PLATFORM

- ▶ PressureTrac®

#### ABOUT US

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

#### GET IN TOUCH

**W** [www.abriox.com](http://www.abriox.com)

**E** [usinfo@abriox.com](mailto:usinfo@abriox.com)

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