

GAS PRESSURE MONITORING

OVERVIEW

The Abriox OSPREY MCA (Multi Channel Adapter) is an intrinsically safe, multiple channel adapter to the OSPREY PL4 monitor. OSPREY MCA allows the user to extend the flexibility of OSPREY PL4 by adding up to 2 extra pressure monitoring channels for specific applications.

Simply connect the MCA, via its dedicated port, to the OSPREY PL4. Together this will provide up to 3 pressure channels offering a combination of the most commonly required pressure ranges. MCA is supplied with 2 pressure sensors, with selected combinations of 1.45psi, 43.5psi and 145psi.

OSPREY PL4 incorporates one integrated pressure sensor. Pressures are sampled every 6 seconds (configurable) for all channels and the minimum, maximum and average values over a six minute period (configurable) are then stored for each logging point.

Ease of use is key to the OSPREY range. There is no requirement for any additional user configuration as OSPREY PL4 automatically detects which sensors are present in the connected MCA and informs the software accordingly.

MCA can be installed on critical points within the network, including:

- ▶ District governors
- ▶ Pressure regulating stations
- ▶ Low points

In combination with OSPREY PL4, MCA can provide:

- ▶ Inlet (including bypass) and outlet pressure monitoring at governor stations
- ▶ Intermediate, medium and low pressure monitoring
- ▶ Poor pressure surveys using IEM mode
- ▶ Critical node monitoring (with alarms)
- ▶ Clocking verification
- ▶ Pressure differential across a filter
- ▶ Flow monitoring

FEATURES AND BENEFITS

- ▶ Up to 5 combinations of two separate pressure monitoring channels
- ▶ Automatic detection and configuration of sensors and orientation
- ▶ Selection of 1.45, 43.5 or 145psi sensor combinations
- ▶ Compact size high grade stainless steel casing
- ▶ One step connection to OSPREY PL4



SPECIFICATIONS

DIMENSIONS (H X W X D)

- ▶ 4.1" x 1.5" x 1.7"

INGRESS PROTECTION

- ▶ NEMA 6

TEMPERATURE RANGE

- ▶ -40°F to +158°F

NUMBER OF PRESSURE CHANNELS

- ▶ 2

INPUT RANGE

- ▶ 1.45psi & 43.5psi
- ▶ 1.45psi & 145psi
- ▶ 43.5psi & 43.5psi
- ▶ 43.5psi & 145psi
- ▶ 145psi & 145psi

SENSOR MEDIA COMPATIBILITY

- ▶ Any gas compatible with stainless steel

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.

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