



### B-X Series Analogue Transmitters

Transmitter Types BDX, BRX, BPX, BSX, BHX, BLX, BKX

These transmitters offer a wide range of transducer and wetted material options for process and heavy Industrial applications. Calibration ranges from 0.2mbar to 400bar dependant on transducer type are available. . .

Temperature limits: Electronics: -10°C to +70°C.

Transducer: -20°C to +100°C standard, -40° to +150°C optional.

Linearity and Hysterisis:  $\pm 0.35\%$  FSD Typical.

Repeatability:  $\pm 0.1\%$  Typical.

Stability:  $\pm 0.2\%$  FSD per year at constant temperature.

Signal output 4-20mA two-wire loop powered



### CNS Smart Submersible Level and Pressure Transmitters

Transducer types 1F, 2F, 3F, 1G, 2G, 3G

A comprehensive range of fully submersible smart level and pressure transmitters safe to 200 metres submersion including a sea water compatible level transmitter. Calibration ranges from 8mbar to 400bar are available. Some types are stocked in a semi-finished condition to allow for a fast order turnaround please consult our sales office

Temperature limits: -10°C to +75°C.

Linearity and Hysterisis:  $\pm 0.25\%$  FSD or  $\pm 0.6\%$  FSD low cost option.

Repeatability:  $\pm 0.1\%$  Typical. Stability:  $\pm 0.2\%$  or  $\pm 0.5\%$  FSD per 6months at 20°C.

Signal output: 4-20mA two-wire types.

1-5V, 0-5V, 0-10V, 0-10mA, 0-20mA and 4-20mA three-wire types.

Features Factory configurable time constant and non linear output functions.



### DNS Smart Industrial Pressure Transmitters

Transducer types 1G, 2G, 3G

An extensive range of low cost smart pressure transmitters fitted with an IP65 DIN43650 electrical connector. Calibration ranges from 8mbar to 400bar are available.

Temperature limits: -10°C to +75°C

Linearity and Hysterisis:  $\pm 0.25\%$  FSD or  $\pm 0.6\%$  FSD (low cost option).

Repeatability:  $\pm 0.1\%$  Typical. Stability:  $\pm 0.2\%$  or  $\pm 0.5\%$  FSD per 6months at 20°C.

Signal output: 4-20mA two-wire types.

1-5V, 0-5V, 0-10V, 0-10mA, 0-20mA and 4-20mA three-wire types.

Features Factory configurable time constant and non linear output functions.



### DNX Utility Two-wire Pressure Transmitters

Transducer types 1G, 3G

A range of low cost pressure transmitters fitted with an IP65 DIN43650 electrical connector. Calibration ranges from 10mbar to 400bar are available. The two-wire 1G transducer types are normally a stock item for popullar ranges the 3G type is stocked in a semi-finished condition.

Temperature limits: -0°C to +70°C.

Linearity and Hysterisis:  $\pm 1.0\%$  FSD.

Repeatability:  $\pm 0.25\%$  Typical. Stability:  $\pm 0.6\%$  FSD per 6months at 20°C.

Signal output: 4-20mA two-wire.

# 2008/9 Product Shortform



## D-S and C-S Series Smart Transmitters

### D-S Series Types:-

DDS & DRS Wet-Wet and Dry Differential transmitters with measurement ranges from 0.3mb to 16bar.

DPS Over pressure protected Gauge and Absolute Pressure transmitters with measurement ranges from 2mb to 400bar.

DSS & DHS Flush Diaphragm, Hygienic and Flanged transmitters with measurement ranges from 10mb to 40bar.

### C-S Series Submersible Types:-

CDS & CRS Wet-Wet and Dry Differential transmitters with measurement ranges from 0.3mb to 16bar ,

CPS Over pressure protected Gauge and Absolute Pressure transmitters with measurement ranges from 2mb to 400bar.

CSS & CHS Flush Diaphragm, Hygienic and Flanged transmitters with measurement ranges from 10mb to 40bar.

CLS & CKS Submersible cable and rigid pole supported level transmitters with measurement ranges from 10mm WG to 240 metre WG.

The D-S and C-S Series are formed by using the transducers from the Ashdown range with the electronics and enclosure used in either the DNS or CNS transmitters. This allows customer specification of wetted parts and transducer type to be undertaken to produce a fully customised transmitter.

### Specification Common to both Types:

Temperature limits: -10°C to +75°C

Linearity and Hysteresis:  $\pm 0.25\%$  FSD .

Repeatability:  $\pm 0.1\%$  Typical. Stability:  $\pm 0.2\%$  per 6 months at 20°C.

Signal output: 4-20mA two-wire types.

1-5V, 0-5V, 0-10V, 0-10mA, 0-20mA and 4-20mA three-wire types.

Features Factory configurable time constant and non linear output functions.



## R-Series Transducers

Types: All Ashdown Pressure, Differential Pressure and Level transducers.

This range of transducers is intended for use in arduous applications that require the measurement sensor to be remotely mounted from the signal conditioning electronics. All transducers use our inductive measurement principle and will only operate correctly when matched to either our mains powered M90 analogue signal conditioning systems or our loop powered A Series Electronics. Typical applications include radioactive, high temperature and submersible applications.

The measurement system performance is dependant on the transducer type and signal conditioning but is generally similar to our analogue B-Series of transmitters.

## Company Profile

Ashdown Control is an independent partnership specialising in the Design and Manufacture of LVDT (Linear Variable Differential Transformer) based pressure instrumentation for the measurement of Pressure, Level and Flow.

All critical processes are carried out in house. These processes include electronics manufacture, measurement diaphragm forming, resistance and precision pulsed TIG welding operations, mechanical piece part production, instrument final assembly, test and calibration.

Our in-house design and manufacturing capabilities together with our extensive experience allows us to produce customised measurement solutions for new applications and also for system support to replace instruments which are no longer available from main stream manufacturers.



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