



Adroit 6000 Series

Druck pressure sensing platform

Features

- Performance to 0.02% span BSL
- Pressure ranges from 68 mbar to 350 bar (1 to 5000 psi)
- Gauge, Sealed Gauge, Absolute, Barometric and Differential reference
- 4-20 mA and configurable voltage output
- Total accuracy up to 0.1% span
- Frequency response to 1 kHz
- Stainless steel 316L construction
- Operating temperature range up to -40 °C to 125 °C and survival from -55 °C to 150 °C



Operating pressure ranges

Gauge ranges (g)

Zero and non-zero based ranges

Upper range Limit (URL): 68 mbar to 70 bar

Lower range limit (LRL): -1 to 35 bar

Span limit: for gauge depression ranges, Min URL is 0, span needs to be greater than 68 mbar.

Sealed gauge ranges (sg)

Zero and non-zero based ranges

Upper range Limit (URL): 10 bar to 350 bar

Lower range limit (LRL): -1 to 175 bar

Span limit: Span must be greater than 50% of the URL

Absolute ranges (a)

Zero and non-zero based ranges

Upper range Limit (URL): 344 mbar to 350 bar

Lower range limit (LRL): 0 to 175 bar

Span limit: Span must be greater than 50 % of the URL

Barometric (b)

Upper range Limit (URL): 1.3 bar

Lower range limit (LRL): 350 mbar

Span limit: Span must be greater than 350 mbar

Pressure connector

Options available

Electrical connector

Options available

Wetted materials

Stainless Steel above 10 bar (Stainless steel and Hastelloy below 10 bar spec)

5000 hours hydrogen compatible above 10 bar

Full range hydrogen compatible version coming soon

Electrical parameters

Outputs

- 4-20 mA
- 0-5 volts 3-wire non true-zero*
- Configurable: 3-wire voltage output versions within the range of 0 to 10 V with the following limitations:
 - Minimum span of 4 V
 - Maximum lower limit elevation equal to the span

Supply requirements

4-20 mA output

12-28 Vdc

Voltage output

7-28 Vdc <3mA

Supply voltage must be 2 V greater than the output voltage selected.

