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APLISENS - APRE-2000G SMART DIFFERENTIAL PRESSURE SENSORS

APRE0070.001
0..70mBar 4-20mA/Hart Display Ø6mm

- Pressure range -100 mbar to 100 mbar
- Min range 0.2mbar
- Three body styles available
- ATEX version



PRODUCT DESCRIPTION

The Aplisens APRE-2000G Smart differential pressure transmitter is applicable to gases, to the measurements of their pressure, underpressure and differential pressure.

The ability to select the radical conversion characteristics also enables this differential pressure transmitter to be used in gas flow measurement systems using reduced pipes or other impeding elecments.

The APRE-2000G Smart uses HART protocol and the following metrological parameters can be configured through this:

- Units of pressure
- Start and end-points of the set range
- Damping time constant
- Conversion characteristics (radical, inversion, user's non-linear characteristics)

And through the data interchange with the probe you can also:

- Identify the transmitter
- Read the currently measured hydrostatic pressure value, output current and percenatge of measuring range

This smart differential pressure transmitter has an accuracy of 0.1%, with five standard measuring ranges to choose from and is also available in ATEX.
Application examples:

- Blast pressure
- Chimney draughts
- Furnace chambers
- Clean rooms

Please refer to the image below for ordering information.

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TECHNICAL DATA

Pressure range min	0 mbar

Pressure range max	70 mbar
Static pressure	1 bar
Signal type	4-20 mA / Hart
Electrical connection	M12x1 4-pole
IP class	IP65
Connection	2xØ6mm
Deviation max	0,075 %
Material of body	Plastic
Material of wetted parts	Brass
Supply voltage dc min	12 V DC
Supply voltage dc max	36 V DC
Temperature ambient from	-25 °C
Temperature ambient to	60 °C
Temperature of media from	-25 °C
Temperature of media to	120 °C
Manufacturer part no.	APRE2000G/N/-100..100/ 0-70MBAR/PCV