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APLISENS - APRE-2000G SMART DIFFERENTIAL PRESSURE SENSORS

APRE0.625.000
0..0,625mBar 4-20mA/Hart 2xØ6mm DIN-A

- 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

Connection	2xØ6mm

Deviation max	0,25 %
Electrical connection	DIN EN 175301-803-A
IP class	IP65
Manufacturer part no.	APRE2000G/PD/-2,5..2,5/ 0-62,5PA/PCV
Material of body	Stainless steel AISI 304
Material of wetted parts	Brass, Stainless steel 316L
Pressure range max	0.625 mbar
Pressure range min	0 mbar
Signal type	4-20 mA / Hart
Static pressure	0.35 bar
Supply voltage dc max	55 V DC
Supply voltage dc min	7.5 V DC
Temperature ambient from	-30 °C
Temperature ambient to	85 °C
Temperature of media from	-25 °C
Temperature of media to	120 °C