

Flow Guard 6282

Advanced Pressure Transmitter



Applications:

- Room pressure
- Laboratories
- Isolation room
- Industry
- Static pressure
- Clean rooms
- Hospitals
- Server rooms

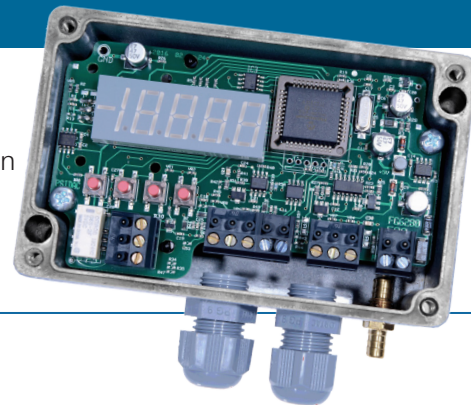
PSIDAC

Care is in the Air

FlowGuard 6282

6282 Features:

- LED-Display for setup
- Easy to install and configure
- Optional visible display
- Field selectable output
- Optional Alarm relay
- Accurate / flexible
- Optional Auto calibration
- Volt and mA output
- ModBus, CPS ready



The FlowGuard 6282 is an advanced transmitter that is designed with the user and installer in mind. The 6282 eliminates many of the problems that traditional sensors suffer from and provides as much flexibility as possible.

The unit has field selectable features like Signal output (mA or Volt) and Signal volt outputs (0-10, 0-5, 2-10). Different pre-defined measuring ranges (5, 10, depending on selected models) are available and these can be changed by the user to other values. E.g. if you select the 25 range and wish to change it to a 0-30 range.

With these options in one sensor you cover most situations for room pressure measurements. For an application with user selectable room modes (switch for Positive room pressure, Neutral, and Negative room pressure) a Bidirectional [B] model is used. And the CPS works in Dual room mode and handles all 4 alarm (Negative High & Low, Positive High & Low alarm) that the 6282 have. The installation is simple with the 6282 using the display and push buttons configuring the settings.

The sensor has a silicone membrane and works with capacitive technique. It's extremely accurate and durable. To further improve it, auto calibration is an option for applications where any small drift over time is not accepted, as in hard to reach locations, or when the sensor is configured for very low pressures like ± 5 Pa.

With the optional relay a simple alarm function can be achieved. One example of measuring room pressure in a room. If pressure is too low a LED light tower connected directly to the 6282 relay will warn staff with a light by the door. Simple and quick installations. The alarm level can be reached by Modbus if wanted. Through Modbus all settings and parameters can be reached from a BMS/Scada.

Type designation:

Part no example: **6282B0250ZRx5**

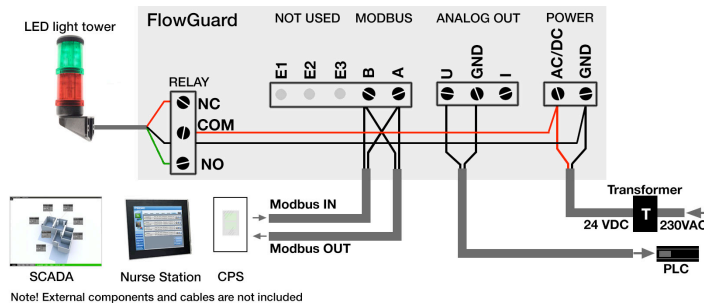
Model no.	Sensor	Range	Options	Connectors	Special
6282	B	0250	ZRx	5	xxx
4pos	1 pos	4pos	3pos	1pos	3pos
	B/T/U	0250	Z/R/D	5 mm	Special ver
	B=Bidirect \pm	0500	Z=AutoZero	6 mm*	
	T=Thermal	1250	R=Relay		
	U=Unidirect +	2500	D=Display	*6mm and 1/4"	

Specifications:

Range*	
6282_500	0-500 Pa
6282_B_250	± 250 Pa
6282_B_500	± 500 Pa
6282_B_1250	± 1250 Pa
6282_2500	0-2500 Pa
*Other ranges available on request	
Non linearity	$\pm 0,3$ pascal +0,1% of reading, typical
Stability	$\pm 0,2$ % typ.(1 year) Typical
Time constant	0.1 - 20 seconds
Output	0-5, 1-5, 0-10, 1-10, 2-10 V or 4-20mA, 0-20 mA
Output Range	Unit depending, select in steps
Resolution	10 bit digital output
Supply	18-24 V AC/DC, 50 mA
Optional Relay	24 VAC/DC 1A max
Temp range operation*	-10...50 °C (-14...122 °F)*
Humidity range	0...95 % RH (non condensing)
Dimension	125x90x60 mm
Weight	530 g
Hose connectors \varnothing	5/ 6/ 1/4" mm specified at order

* Temp range operation for model with AutoZero is -5 to 50.
Features & specifications are subject to change without notice.

Wiring example:



Note! External components and cables are not included

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