

SCS-PDXTX

Pressure transmitter for Smoke Control System



Pressure transmitter, 24 V, with communication via Modbus.

- ✓ Uses a sensor technology that offers very high accuracy and excellent long-term stability
- ✓ Easy installation and setup
- ✓ Ambient temperature -25...+50 °C
- ✓ Can be mounted vertically or horizontally

Application

SCS-PDXTX is a pressure transmitter equipped with one pressure sensor, and an RS485 port for Modbus communication. For more universal I/O options, please see the standard PDXTX product range.

This pressure transmitter is especially designed for easy installation together with Regin's Smoke Control System, SCS.

This device has the default address 100 (Hex64).

Function

The transmitter operates as a Modbus slave. This means that less wiring is required, reducing both material costs as well as the amount of work needed.

Due to the use of MEMS dual-chip medical grade sensor the transmitter offers very high accuracy and excellent long-term stability.

Installation

The unit can be mounted either vertically or horizontally. If it is installed in a humid environment, vertical mounting is recommended to allow moisture to escape.

Installing the product is made easily since the unit has three separate cable inlets, a large angled terminal and generous space.

Technical data

General data

Supply voltage	24 V AC/DC (21...27 V AC/DC)
Protection class	IP44
Power consumption	< 4 VA
Ambient humidity	0...95 % RH (non-condensing)
Ambient temperature	-25...+50 °C
Working range, pressure	0...7500 Pa (factory setting) 0...75 mbar 0...764 mmH ₂ O 0...30 inH ₂ O
Working range, flow	0...65000 m ³ /h (factory setting) 0...31000 l/s 0...65000 Ft ³ /min
Cable glands	2 x M20 (cable diameter 5...12 mm) 1 x M16 (cable diameter 3.5...10 mm)
Max overvoltage	±18 V, on any terminal (not G and G0)
Electronic damping	0 s (0...120 s)
Accessories, included	Two pressure outlets (straight) and 2 m plastic tube. Art. no.: ANS-20
Dimensions, external (WxHxD)	167 x (~130) x 46 mm
Weight, incl. packaging	0,39 kg

Pressure data

Media	Air, non-combustible and non-aggressive gases
Annual deviation	±2 Pa (1250 Pa)
K-factor	5 (5...700)

Universal Input, UI1 and UI2

Please, see the standard products.

Universal output, UO1 and UO2

Please, see the standard products.

Communication port data

Communication ports	1
Port type	RS485
Supported protocols	Modbus
Default address	100 (Hex 64)
Port isolation	Non-isolated
Cable length	Max 100 m



This product carries the CE-mark. More information is available at www.regincontrols.com.

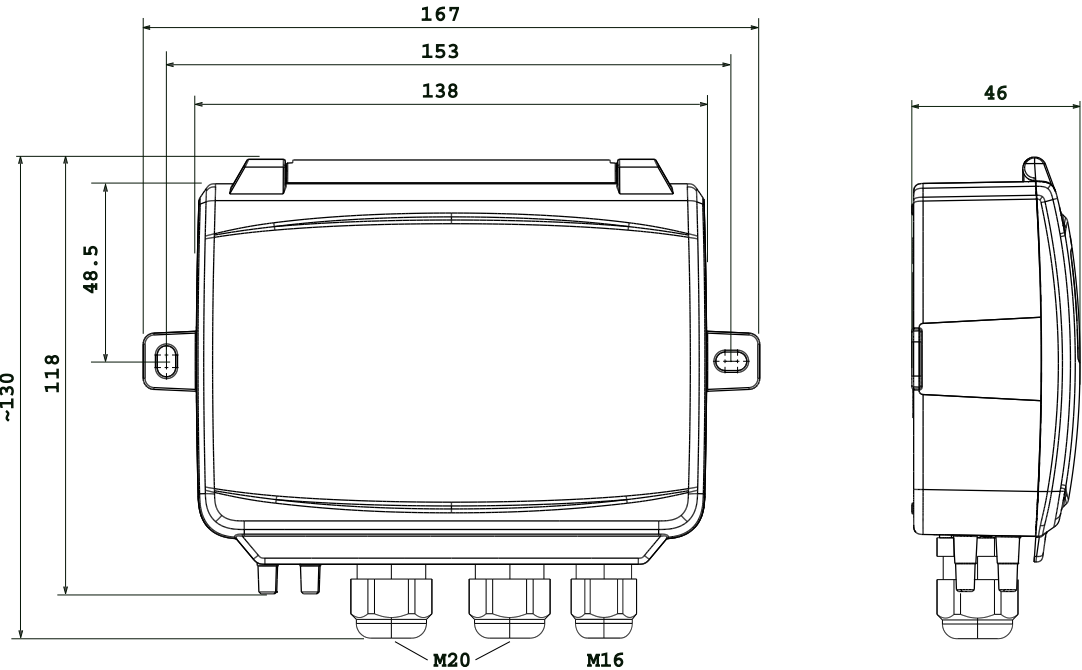
Material

Material, housing	Polycarbonate (PC)
Material, base	Polycarbonate (PC)

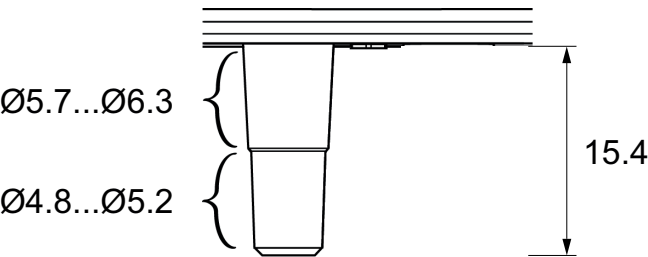
Models

Article	Number of sensors	Max overload pressure (kPa)	Measuring range, pressure (Pa)
SCS-PDTH	1	25	0...1250

Dimensions



Dimensions, pressure outlets:



[mm]

Documentation

All documentation can be downloaded from www.regincontrols.com.