

PSV 10

PRESSURE TRANSMITTER ± 500 PA WITH DISPLAY

Differential pressure transmitter with programmable measuring range 50 ... 500 Pa and with a linear outlet in relation to pressure difference or air volume. The k-factor of the measurement message and the range of the output message can be programmed to suit.

The transmitter also has a configurable alarm relay and an automatic transmitter reset function. The display shows the measured pressure Pa or air volume l/s.



Dimensions: 110 x 75 x 37 (L x B x H)

TECHNICAL INFORMATION

Operating voltage	24 VAC 15% (22-35 VDC)
Power consumption	3 VA
Encapsulation	IP 44
Measuring hoses	inner diameter and 4-5 mm
Measurement range	- 500 ... + 500 Pa
Max pressure	10 kPa
Outgoing message	0/4-20 mA (max 500 ohm) 0/2-10 VDC (min 1000 ohm)
Operating temperature	0-50°C
Measurement error	2 Pa or 2%
K-factor, range	1-400
Air volume, area	10-7000 l/s

INSTALLATION

PSV 10 can be freely installed in different positions, however, in such a way that its tuning, use and maintenance is as easy as possible. When installing the pressure hoses, be careful not to cause pressure shocks to the measuring pressure connectors.

USE

PSV 10 is maintenance-free and does not normally require regular maintenance or cleaning. The transmitter has an automatic reset function, so it does not need regular calibration.

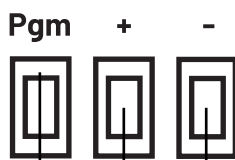
PROGRAMMING

To change parameter settings, PSV 10 must be set to programming mode by pressing two (Pgm, +) keys simultaneously for 2 seconds. In programming mode, first select the parameter to be changed by pressing "+" or "-" key. The parameter to be set flashes on the display and its title scrolls on the display.

The parameter change mode can be accessed by pressing the Pgm key. The value of the parameter is changed with the "+" and "-" keys. The set value flashes on the display. The desired value is activated by pressing the Pgm key, after which the new parameter to be set is selected with the "+" or "-" key. Switching from the parameter list to the value change or vice versa is done by pressing the Pgm key. To return to the display mode, press the Pgm key for 2 seconds.

Parameter P2 is the reset mode of the pressure transmitter, which is activated with the parameter value "Yes" within about 2 seconds. Other parameters P3 to P14 can be changed as needed.

The parameters with their options and factory settings are listed in a separate tuning guide.



Use these keys to change the number or value of the parameter to a smaller or larger value.

Use this key to switch the parameter list or parameter value to active. If you want to return to the display mode, press here for 2 seconds.

CIRCUIT DIAGRAM

