

DC52

Differential pressure transmitter

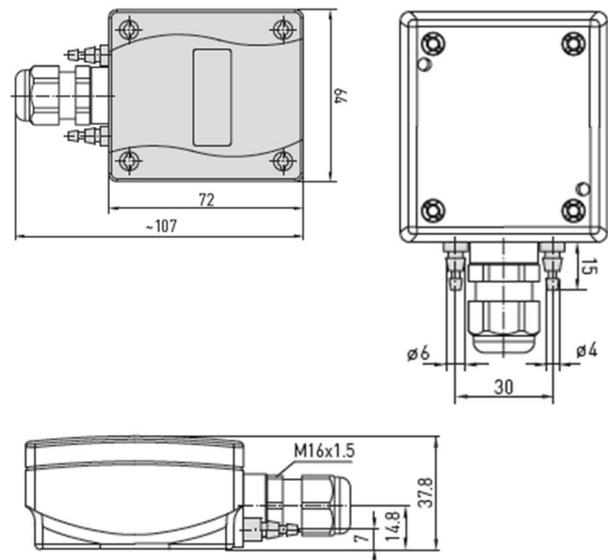
- Differential pressure transmitter with 8 switchable measuring areas.
- Can be used for measuring above atmospheric, under atmospheric and differential pressures
- Manual zero point calibration and adjustable offset
- Can be used for clean air, non-aggressive and non-combustible gases
- Have 8 switchable measuring areas that can be selected by using dipswitches
- Can be used for monitoring filters, ventilation and air conditions.
- DC52 will be delivered with 2 meter connection hose, 2 pcs pressure connection nipples and screws.



Technical Data

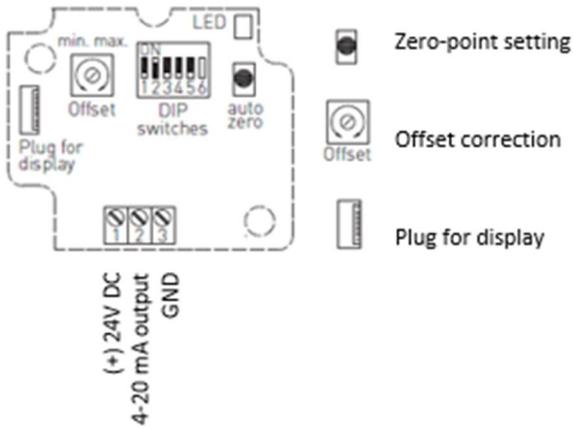
Power supply:	15...36V DC
Power consumption:	max. 1 W (< 20mA)
Measuring ranges:	0...100 mm H2O 0...500 mm H2O
Output:	4-20 mA
Electrical connection:	2 or 3 Wire Screw terminal 0,14-1,5 mm ²
Pressure connection:	4/6x11 mm
Working temperature:	0 to +50°C
Medium:	Clean air, non-aggressive and non-combustible gases
Accuracy:	± 3%
Humidity:	<95% RH
Long term stability:	± 1%
Linearity:	<±1%
Zero point offset:	±10%
Signal filtering:	1 sec./10 sec.
Hysteresis:	0,3%
Enclosure:	IP65
Material:	Plastic

Dimensions

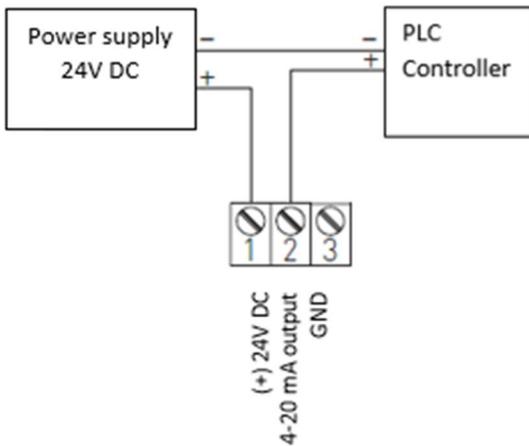


DC52 Differential pressure transmitter

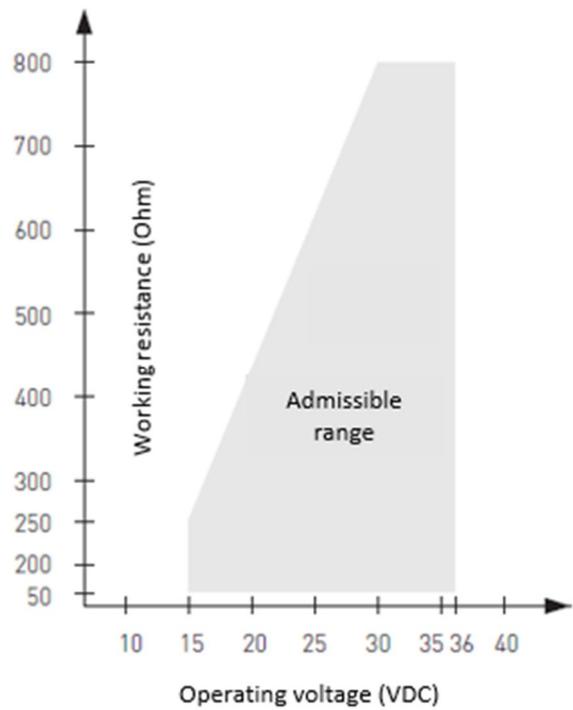
Schematic diagram



Connection diagram



Load resistance diagram



Ordering guide

Type	Measuring range	
DC52-I-N-100	0...10 mm H ₂ O	0...100 Pa
	0...30 mm H ₂ O	0...300 Pa
	0...50 mm H ₂ O	0...500 Pa
	0..100 mm H ₂ O	0..1000 Pa
DC52-I-N-500	0...100 mm H ₂ O	0...1000 Pa
	0...200 mm H ₂ O	0...2000 Pa
	0...300 mm H ₂ O	0...3000 Pa
	0...500 mm H ₂	0...5000 Pa

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DIP Switches for measuring setting

DC52-I-N-100	DC52-I-N-500	DIP 1	DIP 2
0...100 Pa	0...1000 Pa	OFF	OFF
0...300 Pa	0...2000 Pa	ON	OFF
0...500 Pa	0...3000 Pa	OFF	ON
0...1000 Pa	0...5000 Pa	ON	ON

DIP Switch for measuring mode

Measuring mode	DIP 3
Unidirectional	OFF
Bidirectional	ON

DIP Switch for output characteristic

Output characteristic	DIP 4
Linear	OFF
Square root extracting	ON

DIP Switch for measurement signal filtering

Measurement signal filtering (time interval selectable)	DIP 5
Long (10 sec.)	OFF
Small (1 sec.)	ON

DIP Switch overview

Please notice that DIP 6 is not assigned

Position	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6
ON						
OFF						