DOL 18 V2 Electronic Sub-pressure Sensor

The DOL 18 electronic sub-pressure sensor is used in connection with climate and production controllers, for climate monitoring among other things.

The DOL 18 electronic sub-pressure sensor can be used for reading/controlling the pressure in the livestock house and for generating an alarm in case of too low or too high pressure. Furthermore, the DOL 18 electronic sub-pressure sensor is often used for pressure control in central ducts. For instance, in connection with air cleaning systems.

Product survey

140333 DOL 18 v2 elec. sub-pressure sensor 100 Pa

140334 DOL 18 v2 elec. sub-pressure sensor 300 Pa

Sensor for measuring the pressure level in the house.

DOL 18 hose set must be ordered separately.

140235 DOL 18 hose set

Hose set for DOL 18 electronic sub-pressure sensor.

Supplied with 2 m plastic hose, 2 static pressure tip with flange and screws.

Technical data

		Unit	Value
Pressure limits	Max. operation (100Pa version)	PSI	3.6
	Max. operation (300Pa version)	PSI	6
	Burst (both versions)	PSI	6
Accuracy		% FSO	+/- 1
2-wire	Supply voltage	V	11-35
	Measurement signal	mA	4-20
	Shunt resistance	Ω	50-1250 (see graph)
3-wire	Supply voltage	VDC	17-36
		VAC	21.6-33
	Output signal	V	0-10 / 0-5 (DIP switch setting)
	Load resistance	kΩ	>100
4-wire	Supply voltage	V	18-35
	Measurement and output signal	mA V	4-20 0-10 / 0-5 (DIP switch setting)
	Shunt resistance	Ω	50-900 (see graph)
	Load resistance	kΩ	>100
Stability		% FSO / year	+/- 1
Reaction time	DIP switch setting		Instantaneous or 3 sec.
Power consumption		mA	Max. 25

Electrical connections	2-wire	mA	4-20
	3-wire:	V	0-10 (0-5)
	4-wire	mA	4-20
		V	0-10 (0-5)
	Terminal block	AWG	16-26
Electrical entry	1/2˝ NPS thread		
	Cable gland for cables Ø 5 - 9 mm		
Tube connection	Inner diameter tube	”(mm)	1/8", 1/16", 1/4", 5mm, 6mm
Temperature, storage		°C	-20 – 70
Temperature, operation		°C	-20 - 70
IP class		IP	66
		NEMA	4X
Mounting orientation	Vertical		
Weight		g	230

*FSO = Full Scale Output.