

Vacuum/Pressure Sensors ATTO

- Transistor output
- Programmable
- Small lightweight
- Hysteris / Window operation
- LED operating and status display
- Settings NO/NC

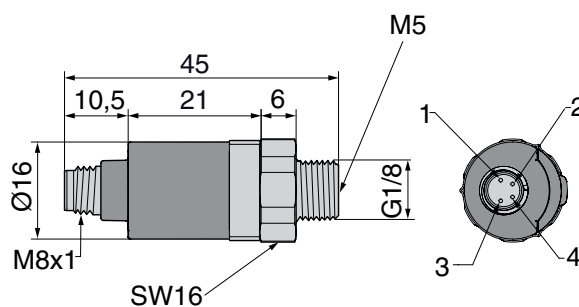
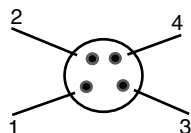


The compact size and the low weight makes ATTO useful in various automation processes and also e.g. to monitor the supply pressure in a machine.

The programming by teach-in (NO/NC, pressure etc.) is made via the M8-contact. The ATTO sensor can also be delivered preset.

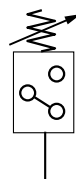
Available in pressure ranges between -1 bar to +12 bar. See next page.

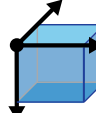
Pin	Function	Cable
1	Ub+	Brown
2	Prog	White
3	0 V (GND)	Blue
4	OUT	Black



Programming possibilities:

- Factory preset
- Customised settings
- Teach-in function (with connection cable)





3D CAD FILES (STEP)
Download via:
<http://www.avac.se/en/home/>

Technical data

Electrical Data

Operating voltage	9 to 30 VDC, polarity protected
Current consumption	≤ 20 mA without load
Output	1 x PNP, NO
Output voltage PNP	approx. Ub -1,5 V
Max load	250 mA, overload protected
Hysteresis	0 to 100 % (adjustable)
Accuracy	+/- 3 % FS (0 to +50 °C)
Response Time	≤ 2 ms
Switching Frequency	max. 250 Hz
Repeatability	0,2 % FS
EMC	according to EU-directive 2004/108/EG*

Mechanical specifications

Material Housing	PC Plastic
Size of body	approx Ø18 x 45 mm (D x L)
Fluid connection	G1/8 externally/M5 internally, nickel plated brass
Protection class.	IP65
Electrical connection	4-pin M8, nickel plated brass

* shielded cable recommended

Environment

Operating temp.	-10 to +60 °C
Storage temp	-20 to +85 °C
Chock	10G XYZ
Vibration	10 to 55 Hz 1,5 mm, XYZ 2 hours
Humidity	10 to 90 % RH

Indication

LED	yellow at active output
LED	green for programming/operation display

Media

Media	Filtered dried lubricated or non lubricated compressed air neutral gases
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Designation	Breakpoint Factory setting	Hysteresis Factory setting	Overpressure safe (Intermittent)	Weight g	Order no.
Vacuum Sensor ATTO, -1 to 0 bar	70% vacuum/-0,7 bar	5% vacuum/-0,05 bar	Max 5 bar	20	520 018 07
Vacuum/Pressure Sensor ATTO, -1 to +1 bar	70% vacuum/-0,7 bar	5% vacuum/-0,05 bar	Max 5 bar	20	520 018 08
Vacuum/Pressure Sensor ATTO, -1 to +3 bar	2 bar	0,5 bar	Max 5 bar	20	520 018 09
Vacuum/Pressure Sensor ATTO, -1 to +10 bar	6 bar	0,5 bar	Max 16 bar	20	520 018 10
Pressure Sensor ATTO, 0 to +12 bar	6 bar	0,5 bar	Max 16 bar	20	520 018 11

Accessories

3 m cable fitted with a 4-pin M8 connector on one end and bare wire on the other end. It can be used both for programming or connecting ATTO



Designation	Weight	Order no.
Connection cable 3 m	90	590 001 04

Operating Instructions
<http://avac.se/pdf/I-ATTO.pdf>

