



AP031 Electronic pressure transmitter G1/4M

Order by 2 pm - Shipping on the same working day

59,38 €

offline price
~~62,84 €~~

Incl. 5.5% online discount for online orders

Overview

- Pressure transmitter for liquid and gaseous media
- Precise analogue output (4...20 mA)
- Stainless steel thick-film measuring cell - welded gasket-free
- Can be used for high media temperatures up to 135°C
- Suitable for refrigerants - also ammonia

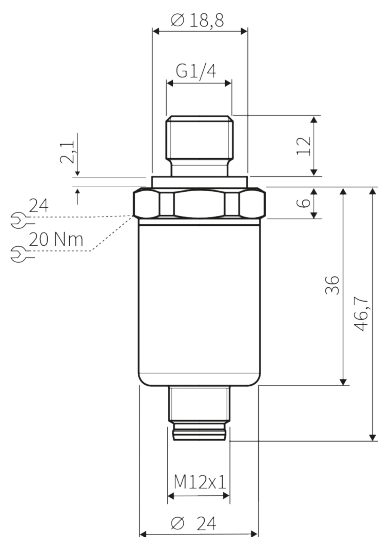
In daily use - proven millions of times over. Products from autosen are under highest quality requirements regarding robustness, insensitivity and reliability.

We offer 5 years warranty - with money-back guarantee!

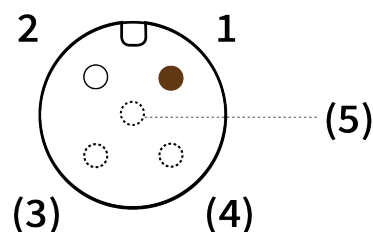
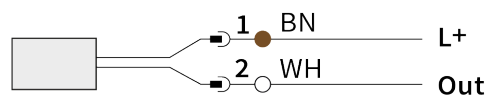
www.autosen.com/AP031

Direct link to the article on autosen.com

Dimensional drawing



Connection & pin assignment



Wiring & pin configuration legend

OUT: analogue output 4 ... 20 mA



General information

Range of application	Liquid and gaseous media, refrigerants, ammonia
Pressure measuring range min.	-1 bar
Pressure measuring range max.	1 bar
Bursting pressure	20 bar
Pressure resistance	10 bar
Process connection	DIN EN ISO 1179-2 External thread G 1/4

Outputs / inputs

Analogue output	4 ... 20 mA
IO-Link	No

Electrical data

Operating voltage	7 ... 33 V DC
Voltage type	Direct voltage (DC)
Current consumption max.	23mA
Protection class	III
Short-circuit protection	Yes
Reverse polarity protection	Yes

Mechanical data

Materials in contact with the medium	V4A (1.4404) FPM
Measuring cell material	1.4016 (X6Cr17)
Material of housing	V4A (1.4404) PA
Material of seal	FPM
Electrical connection	M12 2-pin Contacts gold-plated

Accuracy

Resolution	0.1 % FS*
Max. Deviation at 25°C	Typical ± 0.3 % FS* max. ± 0.5 % FS* incl. zero point, full scale, linearity, hysteresis and repeatability
Comment	*FS: Fullscale
Response time	<2 ms, typ. 1 ms



Ambient conditions

Ambient temperature min.	-30°C
Ambient temperature max.	85°C
Medium Temperature Min.	-40°C
Media temperature Max	135°C
Protection rating	IP67

Additional information

MTTF	1189years
Function display	No
Accessories included with delivery	No accessories included
EMC test	EN 61326-2-3
	EN 50121-3-2
Shock resistance test	DIN IEC 68-2-27
Long-term shock resistance test	IEC 68-2-29
Vibration resistance test	DIN IEC 68-2-6
Customs tariff number	90262020
Weight	0,09kg
Approval	CE
	cULus



Accessories: Process adapter



AA943
Adapter G1/4F G1/2M

Unit price: 30,56 €*

Accessories: Display for analog sensors



AG002
TFT display for sensors

Unit price: 185,07 €*



AG001
Process Display

Unit price: 92,43 €*



AD003
Display for analogue signals

Unit price: 110,36 €*



AN004
Multifunction relay for sensors

Unit price: 152,63 €*

Accessories: Signal converter



AD003
Display for analogue signals

Unit price: 110,36 €*

Accessories: M12/M12 connection cable | 4-pol. | PUR | IP67



AA209
Connection cable M12/M12 4P
PUR 2m IP67

Unit price: 9,29 €*



AA211
Connection cable M12/M12 4P
PUR 2m IP67

Unit price: 10,71 €*



AA210
Connection cable M12/M12 4P
PUR 5m IP67

Unit price: 12,44 €*



AA212
Connection cable M12/M12 4P
PUR 5m IP67

Unit price: 13,22 €*

Accessories: M12/M12 connection cable | 4-pin | PUR | IP69K



AA205
Connection cable M12/M12 4P
PUR 10m IP69K

Unit price: 22,15 €*



AA202
Connection cable M12/M12 4P
PUR 5m IP69K

Unit price: 17,28 €*



AA201
Connection cable M12/M12 4P
PUR 2m IP69K

Unit price: 14,11 €*

Accessories: M12 sensor cable | 4-pin | PVC | IP67



AA042
Sensor cable M12 4P PVC 10m
IP67

Unit price: 10,97 €*



AA039
Sensor cable M12 4P PVC 10m
IP67

Unit price: 10,58 €*



AA041
Sensor cable M12 4P PVC 5m
IP67

Unit price: 8,22 €*



AA038
Sensor cable M12 4P PVC 5m
IP67

Unit price: 7,80 €*



AA040
Sensor cable M12 4P PVC 2m
IP67

Unit price: 6,00 €*



AA037
Sensor cable M12 4P PVC 2m
IP67

Unit price: 5,97 €*



AA064
Sensor cable M12 4P PVC 2m
IP67

Unit price: 4,52 €*



AA066
Sensor cable M12 4P PVC 2m
IP67

Unit price: 4,83 €*



AA065
Sensor cable M12 4P PVC 5m
IP67

Unit price: 6,05 €*



AA067
Sensor cable M12 4P PVC 5m
IP67

Unit price: 6,43 €*

Order online at
Order by telephone
Order by fax

www.autosen.com
+49 (0) 201/749 189 21
+49 (0) 201/749 189 22

autosen gmbh • Annastraße 41 • 45130 Essen
www.autosen.com • info@autosen.com
We reserve the right to make technical changes without notice -
5/16/2025



Accessories: M12 sensor cable | 4-pin | PUR | IP67



AA052

Sensor cable M12 4P PUR 2m
IP67

Unit price: 6,07 €*



AA054

Sensor cable M12 4P PUR 2m
IP67

Unit price: 6,45 €*



AA053

Sensor cable M12 4P PUR 5m
IP67

Unit price: 8,15 €*



AA055

Sensor cable M12 4P PUR 5m
IP67

Unit price: 8,65 €*

Accessories: M12 sensor cable | 4-pin | PVC | IP69K



AA025

Sensor cable M12 4P PVC 25m
IP69K

Unit price: 23,59 €*



AA024

Sensor cable M12 4P PVC 10m
IP69K

Unit price: 15,12 €*



AA023

Sensor cable M12 4P PVC 5m
IP69K

Unit price: 12,31 €*



AA031

Sensor cable M12 4P PVC 2m
IP69K

Unit price: 12,04 €*

Accessories: M12 sensor cable | 4-pin | PUR | IP69K



AA017

Sensor cable M12 4P PUR 10m
IP69K

Unit price: 13,44 €*



AA006

Sensor cable M12 4P PUR 5m
IP69K

Unit price: 10,92 €*



AA005

Sensor cable M12 4P PUR 2m
IP69K

Unit price: 9,36 €*

Accessories: M12 connector | 4-pin | plug



AA946

Wireable connector angled M12

Unit price: 7,01 €*



AA921

Wireable connector M12

Unit price: 7,01 €*



AA961

Wireable connector angled M12
IP69k

Unit price: 15,00 €*



AA959

Wireable connector straight M12
IP69k

Unit price: 15,00 €*

Accessories: M12 connector | 4-pin | socket



AA947

Wireable socket angled M12

Unit price: 6,91 €*



AA939

Wireable socket M12

Unit price: 6,91 €*



AA962

Wireable socket angled M12 IP69k

Unit price: 15,00 €*



AA960

Wireable socket straight M12
IP69k

Unit price: 15,00 €*

Accessories: Y-distributor



AA046

Y-splitter cable M12/2xM12

Unit price: 18,67 €*



AA922

Y distributor M12/2xM12

Unit price: 12,27 €*

Order online at
Order by telephone
Order by fax

www.autosen.com
+49 (0) 201/749 189 21
+49 (0) 201/749 189 22

autosen gmbh • Annastraße 41 • 45130 Essen
www.autosen.com • info@autosen.com
We reserve the right to make technical changes without notice -
5/16/2025

