



# AP020 Electronic pressure sensor G1/4M

 <b>G 1/4 M</b>	 <b>0 bar ... 400 bar</b>	 <b>Analogue output</b>
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Order by 2 pm - Shipping on the same working day

**77,14 €** offline price 81,63 €

Incl. 5.5% online discount for online orders

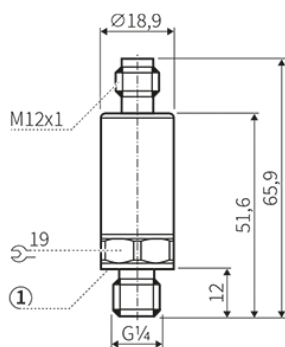
- M12 connector
- 5.5% online discount
- Process connection: G1/4 M
- 5-year warranty
- Protection rating IP67 | IP69K
- Fast delivery

**www.autosens.com/AP020**

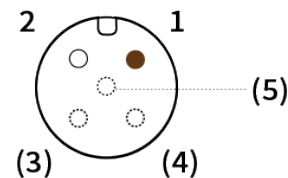
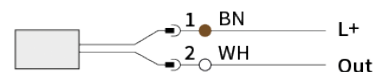
Direct link to the article on autosens.com

In daily use - proven millions of times over. Products from autosens are under highest quality requirements regarding robustness, insensitivity and reliability. We offer 5 years warranty - with money-back guarantee!

## Dimensional drawing



## Connection & pin assignment



## Dimensional drawing legend

1: Process connection sealing FKM / DIN 3869

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## Wiring & pin configuration legend

OUT: analogue output 4 ... 20 mA

### General information

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Range of application	Liquid and gaseous media
Type of pressure	Relative pressure
Pressure measuring range min.	0 bar
Pressure measuring range max.	400 bar
Bursting pressure	1700 bar
Pressure resistance	1000 bar
Process connection	External thread
	G 1/4

### Outputs / inputs

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Analogue output	4 ... 20 mA
Comment on analogue output	When used with an analog output use exclusively sensor cables without LED
IO-Link	No

### Electrical data

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Operating voltage	8.5 ... 36 V DC
Voltage type	Direct voltage (DC)
Electrical design	PNP
Protection class	III
Short-circuit protection	Yes
Overload-proof	Yes
Reverse polarity protection	Yes

### Mechanical data

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Materials in contact with the medium	V4A (1.4542)
Union nut tightening torque	25 ... 35 Nm
Material of housing	PEI
	V4A (1.4404)
	V4A (1.4542)
Electrical connection	M12
	2-pin
	Contacts gold-plated

### Accuracy

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Hysteresis	< ± 0.2 %
Reproducibility	< ± 0.05%
Linearity deviation	< ± 0.1 % (BFSL)

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## Ambient conditions

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Ambient temperature min.	-40°C
Ambient temperature max.	90°C
Medium temperature	-40 ... 90 °C°C
Protection rating	IP67 IP69k

## Additional information

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MTTF	686years
Accessories included with delivery	No accessories included
EMC test	DIN EN 61000-6-2 DIN EN 61000-6-3
Shock resistance test	DIN EN 60068-2-27
Vibration resistance test	DIN EN 60068-2-6
Pressure Equipment Directive	Good engineering practice
Approval	CE cULus



## Accessories: Connection technology

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**AA037**  
Sensor cable 2 m Standard Class IP67 **Unit price: 3,98 €\***



**AA040**  
Sensor cable 2 m Standard Class IP67 **Unit price: 4,53 €\***



**AA038**  
Sensor cable 5 m Standard Class IP67 **Unit price: 5,59 €\***



**AA041**  
Sensor cable 5 m Standard Class IP67 **Unit price: 5,90 €\***



**AA005**  
Sensor cable 2 m PUR M12 4-pole IP69k **Unit price: 7,49 €\***



**AA039**  
Sensor cable 10 m Standard Class IP67 **Unit price: 7,95 €\***



**AA042**  
Sensor cable 10 m Standard Class IP67 **Unit price: 8,25 €\***



**AA006**  
Sensor cable 5 m PUR M12 4-pole IP69k **Unit price: 8,82 €\***



**AA031**  
Sensor cable 2 m PVC M12 4-pole IP69k **Unit price: 10,10 €\***



**AA023**  
Sensor cable 5 m PVC M12 4-pole IP69k **Unit price: 10,32 €\***



**AA017**  
Sensor cable 10 m PUR M12 4-pole IP69k **Unit price: 11,49 €\***



**AA201**  
Connection cable 2 m PUR M12/M12 IP69k **Unit price: 12,00 €\***



**AA024**  
Sensor cable 10 m PVC M12 4-pole IP69k **Unit price: 12,42 €\***



**AA202**  
Connection cable 5 m PUR M12/M12 IP69k **Unit price: 14,76 €\***



**AA205**  
Connection cable 10 m PUR M12/M12 IP69k **Unit price: 18,44 €\***



**AA025**  
Sensor cable 25 m PVC M12 4-pole IP69k **Unit price: 19,46 €\***



**AA947**  
Wirable socket angled M12 **Unit price: 4,84 €\***



**AA939**  
Wirable socket M12 **Unit price: 4,91 €\***



**AA960**  
Wirable socket angled M12 IP69k **Unit price: 12,54 €\***



**AA962**  
Wirable socket angled M12 IP69k **Unit price: 12,54 €\***



**AA922**  
Y distributor M12/2xM12 **Unit price: 10,32 €\***

## Accessories: Adapters

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**AA943**  
Adapter G1/4F G1/2M **Unit price: 20,21 €\***

## Accessories: Signal converter

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**AD003**  
Display for analogue signals **Unit price: 92,63 €\***

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