



AT001 Temperature transmitters G1/4M 25 mm

Order by 2 pm - Shipping on the same working day

102,84 € offline price 108,83 €

Incl. 5.5% online discount for online orders

Overview

- Temperature sensor with factory-set measuring range -50...150 °C and G1/4 process connection with external thread, M12 connector (4-pin) and analogue output
- PT1000 measuring element according to DIN EN 60751, Class A
- with IO-Link interface
- suitable for use with liquid and gaseous media
- Protection rating IP67/ IP68/ IP69k

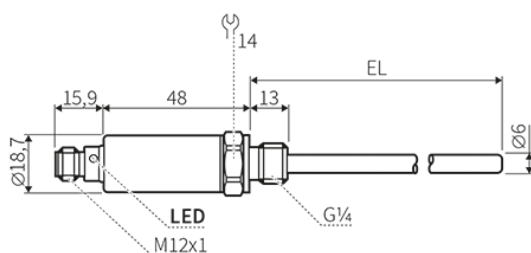
In daily use - proven millions of times over. Products from autosens are under highest quality requirements regarding robustness, insensitivity and reliability.

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

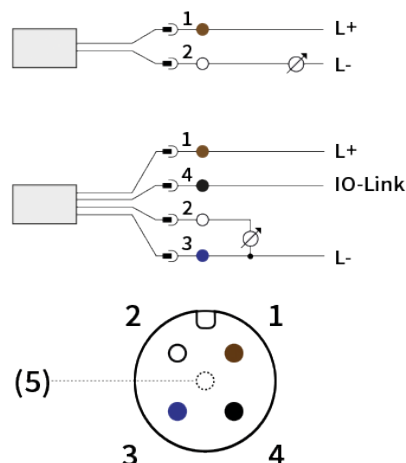
www.autosens.com/AT001

Direct link to the article on autosens.com

Dimensional drawing



Connection & pin assignment



General information

Range of application	Liquid and gaseous media
Pressure resistance	400 bar
Temperature measuring range min.	-50°C
Temperature measuring range max.	150°C

Outputs / inputs

Analogue output	4 ... 20 mA Programmable Scalable
Comment on analogue output	When used with an analog output use exclusively sensor cables without LED
IO-Link	Yes

Electrical data

Operating voltage	18 ... 32 V DC supply class 2 cULus
Voltage type	Direct voltage (DC)
Electrical design	PNP
Current consumption max.	50mA
Protection class	III
Short-circuit protection	Yes
Overload-proof	Yes
Reverse polarity protection	Yes
Ready delay	1 s

Mechanical data

Materials in contact with the medium	V4A (1.4404) FKM
Probe diameter	6 mm
Material of housing	LCP PEI V4A (1.4404) PTFE PC V2A (1.4310)
Electrical connection	M12 4-pin Contacts gold-plated
Process connection	External thread G 1/4
Installation length	25 mm



Accuracy

Response dynamics of T05 / T09	1 s / 3 s
Accuracy	< ± 0.5 °C

Ambient conditions

Ambient temperature min.	-25°C
Ambient temperature max.	80°C
Protection rating	IP67
	IP68
	IP69k

Additional information

MTTF	572years
Function display	LED
	Green
Accessories included with delivery	Seal
EMC test	DIN EN 61000-6-2
Shock resistance test	DIN IEC 68-2-27
Vibration resistance test	DIN IEC 68-2-6
Approval	CE
	cULus



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: IO-Link

	AD002 autosen:io	Unit price: 116,47 €* 		AD001 IO-Link Master	Unit price: 274,64 €*
	ADS01 IO-Link starter kit	Unit price: 299,00 €* 		AD009 IO-Link IoT-Master	Unit price: 407,49 €*

Accessories: Signal converter

	AD003 Display for analogue signals	Unit price: 110,36 €* 		AN103 Signal conditioner	Unit price: 95,87 €*
	AN101 Signal splitter	Unit price: 109,85 €* 			

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 €*

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 -
6/17/2025



**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 €*** **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 €*** **Order online at**
Order by telephone
Order by fax**www.autosen.com**
+49 (0) 201/749 189 21
+49 (0) 201/749 189 22autosen gmbh • Annastraße 41 • 45130 Essen
www.autosen.com • info@autosen.com
We reserve the right to make technical changes without notice -
6/17/2025

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 -
6/17/2025

