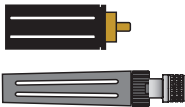
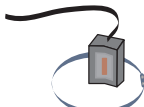


Temperature sensors

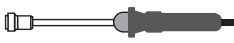
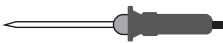


ATAL offers an extensive package of accurate sensors and measured value converters for measuring temperature, relative humidity, dew point and carbon dioxide (CO₂). The sensors are described on the following pages and can be used in combination with the ATAL measurement and recording systems, but are also applicable stand-alone or combined with measuring systems of other makes.

Temp. (Pt1000)

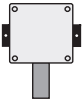
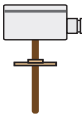
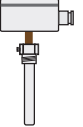
				
ATM	—	TEP-102M	TEP-103M	TEP-104M
ATC/ATD/ATP	TEP-101C	TEP-102C	TEP-103C	TEP-104C
ATX/ATV	TEP-101B	TEP-102B	TEP-103B	TEP-104B
Application:	Room	Room/general	Surface/contact	Surface/contact
Range:	-30 to 80 °C	-80 to 200 °C	-30 to 200 °C	-30 to 130 °C
Output signal:	Pt1000/3850 ppm	Pt1000/3850 ppm	Pt1000/3850 ppm	Pt1000/3850 ppm
Accuracy:	±(0.15 + 0.002 x t) °C	±(0.15 + 0.002 x t) °C	±(0.15 + 0.002 x t) °C	±(0.15 + 0.002 x t) °C
Probe dimensions:	L=61, Ø=12 (TEP-101C) L=65, Ø=13 (TEP-101B)	L=40, Ø=6	Ø=18	—
Response time t63:	<20 sec.	<60 sec.	<20 sec.	<20 sec.
Cable length:	—	1 to 10 m	1 to 10 m	1 to 10 m
Special features:	Immediately pluggable in instrument	IP67, silicone cable jacket	IP67, silicone cable jacket	—

Temp. (Pt1000)

				
ATM	TEP-105M	TEP-106M	TEP-107M	TEP-108M
ATC/ATD/ATP	TEP-105C	TEP-106C	TEP-107C	TEP-108C
ATX/ATV	—	TEP-106B	TEP-107B	TEP-108B
Application:	Contact/surface	Generally high temp.	Core/pitch	Core/pitch
Range:	-50 to 150 °C	0 to 350 °C	-50 to 220 °C	-50 to 250 °C
Output signal:	Pt1000/3850 ppm	Pt1000/3850 ppm	Pt1000/3850 ppm	Pt1000/3850 ppm
Accuracy:	±(0.15 + 0.002 x t) °C	±(0.15 + 0.002 x t) °C	±(0.15 + 0.002 x t) °C	±(0.15 + 0.002 x t) °C
Probe dimensions:	L=70	L=100, Ø=6	L=120, Ø=3,4	L=145, Ø=3,6
Handgrip length:	L=40	—	L=40	L=58
Response time t63:	<20 sec.	< 60 sec.	<20 sec.	<20 sec.
Cable length:	1 m	1 to 10 m	1 m	1 m
Special features:	—	—	Silicone cable jacket	Teflon handle

Temp. (Pt1000)

(*) Specify the desired probe length in product code on **XXX**

	TEP-109	TEP-110	TEP-111-XXX (*)	TEP-112-XXX (*)
				
Application:	Water pipe	Space	Air, channel	Water, dip
Range:	-50 to 150 °C	-30 to 80 °C	-30 to 150 °C	-30 to 150 °C
Output signal:	Pt1000/3850 ppm	Pt1000/3850 ppm	Pt1000/3850 ppm	Pt1000/3850 ppm
Accuracy:	±(0.15 + 0.002 x t) °C	±(0.15 + 0.002 x t) °C	±(0.15 + 0.002 x t) °C	±(0.15 + 0.002 x t) °C
Protection class:	—	IP65	IP65	IP65
Response time t63:	<20 sec.	< 8 sec.	< 8 sec.	<20 sec.
Probe dimensions in mm:	L=10 (process side), Ø=6 Brass, 1/4" BSP	L=50, Ø=18	L=120/180/240, Ø=6	L=100/160/220, G1/2"