

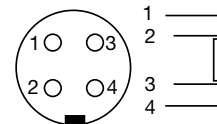


PT100 PROBES

Rotronic offers a wide range of its own Pt100 probes, but other 4-wire temperature probes can also be used.



Accuracy:	Class A
Wire technique:	4-wire
Connection:	4-pin Binder connector plug
τ_{90} :	Time needed to reach 90% of the new measured value after a temperature increase (air velocity = 2 m/s)

Pt100 input



4-wire Pt100

Order code	Probe type	Measurement range class A accuracy (IEC 60751)
AC1900	Fixed probe 100 x 3 mm DIN 1.4404	-50...300 °C
AC1902	Insertion probe with handle 249 x 3 mm DIN 1.4404	-50...300 °C
AC1903	Cable probe 200 x 6 mm Not waterproof DIN 1.4404	-50...300 °C
AC1904	Cable probe 50 x 6 mm Waterproof DIN 1.4301	-50...300 °C
AC1905	Surface probe 40 x 10 x 5 mm DIN 1.4301	-50...300 °C
AC1909	Fixed probe for measurements in air, 100 x 4 mm DIN 1.4401	-50...300 °C
AC1913-A	Kapton foil probe, 20 x 15 x 2 mm	-50...200 °C
AC1916-A-T	Cable probe 60 x 6 mm Waterproof DIN 1.4571	-30...200 °C

Order code	Probe type	
HC2-PT100-B4	Adapter for Pt100 probes to HP32, HP23-A, HF5, HF8, PF4 and HL-NT	
AC1960-100	Screw-in measuring sleeve for 3 mm probes Thread 1/4" G Insertion depth 100 mm	
AC1607/02	Extension cable for Pt100 probes, 4-pin Binder male/female connectors Max. 85 °C, min. -40 °C	2 m
AC1607/03	Extension cable for Pt100 probes, 4-pin Binder male/female connectors Max. 85 °C, min. -40 °C	3 m
AC1607/05	Extension cable for Pt100 probes, 4-pin Binder male/female connectors Max. 85 °C, min. -40 °C	5 m
AC1607/10	Extension cable for Pt100 probes, 4-pin Binder male/female connectors Max. 85 °C, min. -40 °C	10 m



AC1900



AC1902



AC1904



AC1909

Probe operating range	Cable operating range	
-70...500 °C, τ_{90} : 80 / 6 s	Without cable	
-70...500 °C, τ_{90} : 80 / 6 s	1 m, PUR cable Max. 115 °C Min. -45 °C	
-70...500 °C, τ_{90} : 170 / 15 s	2 m, thermoplastic cable Max. 105 °C Min. -40 °C	
-50...110 °C, τ_{90} : 185 / 20 s	2 m, thermoplastic cable Max. 105 °C Min. -40 °C	
-70...500 °C, τ_{90} : 90 s	2 m, silicon cable Max. 150 °C Min. -25 °C	
-50...120 °C, τ_{90} : 20 s	Without cable	
-50...200 °C, τ_{90} : 7 s	1 m, four PFA wires Max. 200 °C Min. -50 °C	
-100...250 °C, τ_{90} : 185 / 20 s	2 m PTFE cable Max. 180 °C Min. -50 °C	



COMPATIBLE

- Handheld instrument TP22
- Transmitters TF5, PF4
- Docking station HL-DS

DELIVERY PACKAGE

- Temperature probe