



AC1900



AC1904



AC1909



AC1916-A-T



AC1920

## ADVANTAGES

- Measure temperature
- Wide temperature ranges from -100...300 °C
- Easy mechanical installation (4 pin Binder Connector)

## APPLICATION

- Storage temperature monitoring of pharmaceutical drugs and vaccinations
- Production-, storage- and drying processes
- Industrial manufacturing, Incoming goods inspection

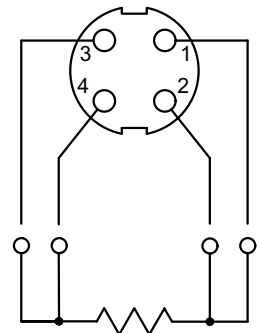


## General Information

Rotronic offers a wide range of its own PT100 probes. All PT100 probes have a precision of class A within the range of -30...300 °C according to IEC751. Accuracy class B applies to the remaining temperatures.

### SENSOR PT100 CLASS A

- Class A -30...300 °C according to IEC751
- Uncertainty Class A:  $U = \pm (0.15 + 0.0021 \cdot |T|)$
- Others:  $U = \pm (0.30 + 0.005 \cdot |T|)$

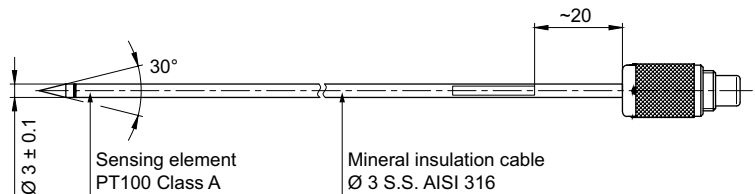


PT100 Class A

## Technical Data

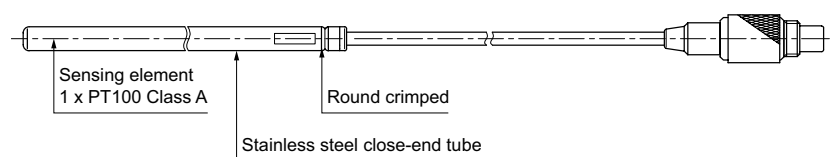
### AC1900

- Application range -50...300 °C
- Fixed probe, 100 mm x 3 mm
- Temperature limit at connector 105 °C
- Material stainless steel AISI 316



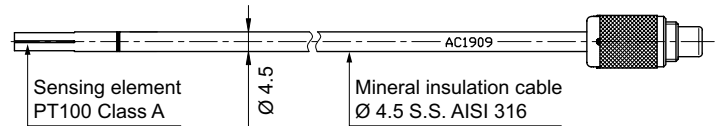
### AC1904

- Application Range -50...105 °C
- Cable probe, 50 mm x 6 mm, waterproof
- Temperature limit 105 °C
- Material stainless steel



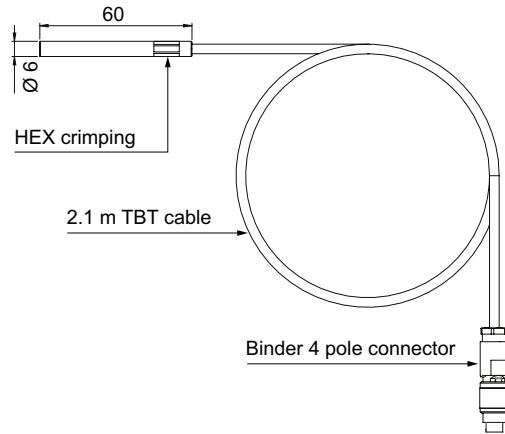
### AC1909

- Application range -50...105 °C
- Fixed probe, 100 mm x 4.5 mm, air temperature
- Temperature limit at connector 105 °C
- Material stainless steel AISI 316



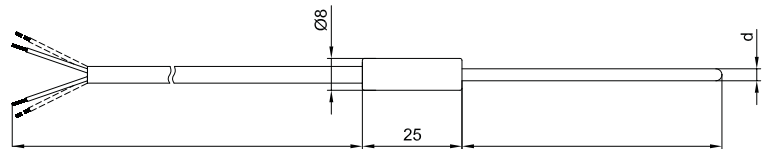
### AC1916-A-T

- Application range -100...250 °C
- Cable probe, 60 mm x 6 mm, waterproof high temperature
- Temperature limit at binder connector -40 °C
- Material stainless steel AISI 316Ti



### AC1920

- Application range -85...300 °C
- Cable probe, 375 mm x 3 mm
- Temperature limit at connector -20 °C
- Material stainless steel AISI 316L



## Possible Accessories

### HC2-PT100-B4

- Adapter for PT100 probes to HP32, HP23-A, HF5, HF8, PF4/5, HL-NT  
Temperature range: -100 °C and 200 °C
- AC1960-100 Screw in measuring sleeve for 3 mm probes  
Thread 1/4" G, insertion depth 100 mm
- AC1607/05 for 5 meters and AC1607/10 for 10 meters extension cable PT100 (Temperatur limit: -40 ..85 °C)