PT-100
TEMPERATURE SENSORS

- STANDARD ACCURACY 1/3 DIN
- FAST RESPONSE
- HYGIENIC

PROCESS CONNECTIONS
- ALL STAINLESS HOUSING
- VIBRATION RESISTANT
- FAST DELIVERIES
- HEAD MOUNTED TRANSMITTERS

DESCRIPTION
Klay Instruments offers a complete range of PT-100 temperature sensors in 3-wire execution for industrial applications, with various insertion lengths and diameters. Standard accuracy is 1/3 DIN.

Many different process connections are available, such as G½”, G1”, DIN milkcoupling, Tri-clamp and Flanges. The connection heads are available in form B (aluminum), BBK (polyamide) or in All Stainless Steel execution with bayonet- or screwcover. Besides the single 3-wire system also a “double” system (2 x PT100) is available.

Various head mounted transmitters can be supplied in the connection heads, with output 4-20 mA or HART Protocol.
**ORDERING EXAMPLE** Type: TT - E - C - G - L100 x D9 - S

**EXECUTION PT-100:**
- E: single (1 x PT-100/3-wire)
- D: double (2 x PT-100/3-wire)

**IN-HEAD TRANSMITTER (4-20 mA)**
- S: no transmitter (standard)
- K: head mounted transmitter (specify range)

**DIAMETER SENSOR:**
- D6: 6 mm (straight)
- D8: 8 mm ("")
- D9: 9 mm ("")
- D9/6: 9 mm, with reduced tip 6 mm
- D..: other diameter (specify)

**INSERTION LENGTH SENSOR:**
length (L) probe in mm.

**SPECIFICATIONS PT-100**
- accuracy class 1/3 DIN
  (1/5 or 1/10 DIN optional, extra price)
- material "wetted parts": SS 316
  (other materials available, i.e. Hast.C)
- material SS connection heads (code C/D):
  SS 304 (optional: SS 316)
- Please specify longer head extension
- Measuring inserts (option, code P1)

**SPECIALS**
The following specials are available:
- SS head with 2 transmitters
  (output 2 x 4-20 mA, 2-wire)
- SS head with 1 transmitter
  and 1 x 3-wire PT-100 signal.

**THERMOWELLS**
Our thermowells are available in 3 executions:
- weld-in type
- screw-in (G½", ¾" till 2" BSP/NPT)
- flange (DIN or ANSI)
  Standard material: SS 316
- Bar stock executions on request

Please mention at thermowell ordercode:
- process connection and PT-100 connection
- material thermowell (example: SS 316 or Hast. C)
- dimensions thermowell (length x diameter)