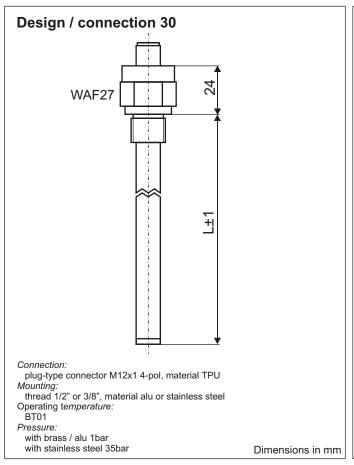
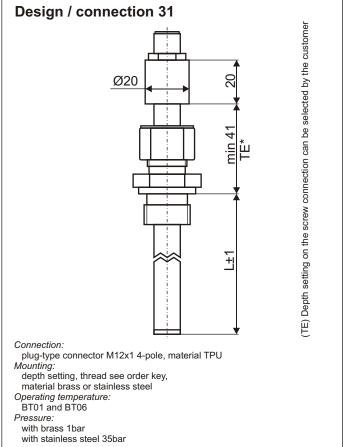
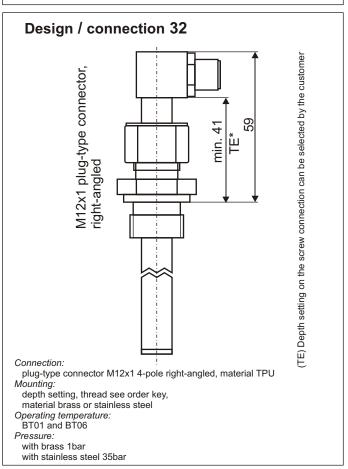
## ENGLER Steuer- und Messtechnik

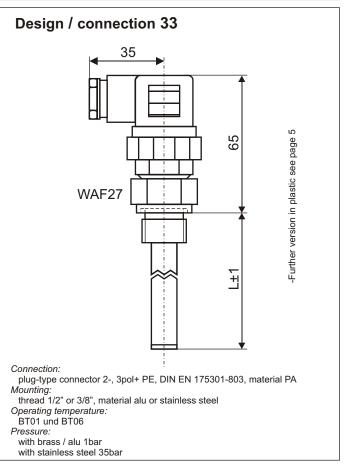
### **Data sheet**

# Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...





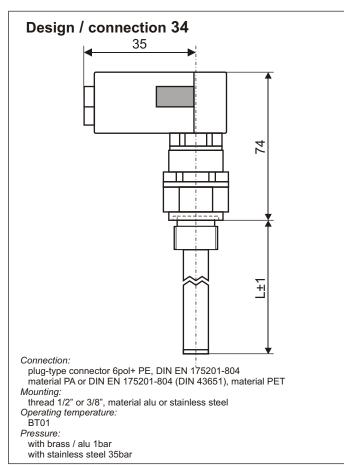


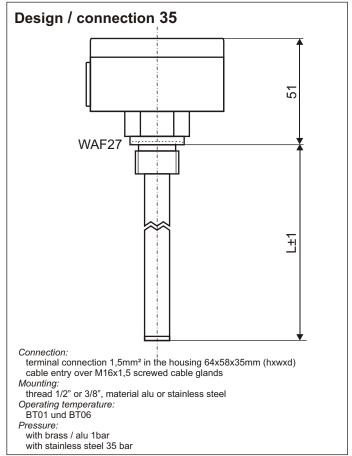


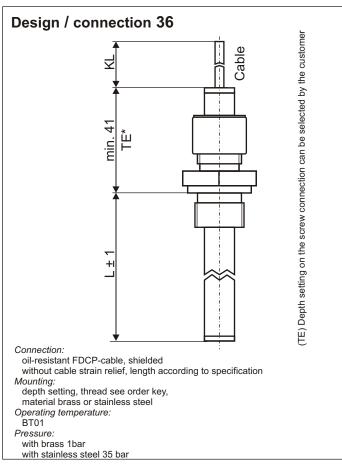
## ENGLER Steuer- und Messtechnik

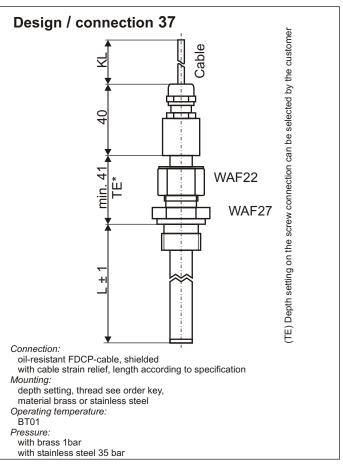
### **Data sheet**

# Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...





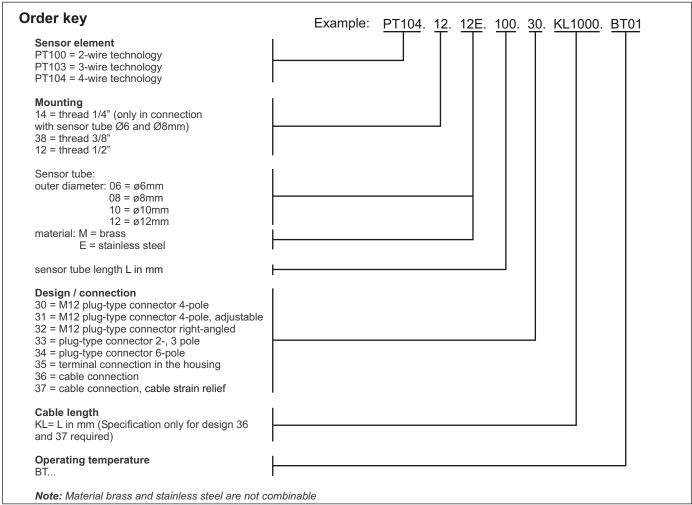


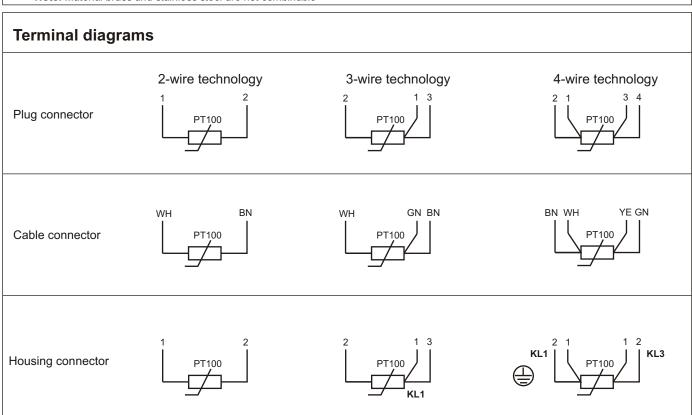




### **Data sheet**

# Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...





## ENGLER Steuer- und Messtechnik

### **Data sheet**

## Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...

#### **Technical data**

Connection: see respective design / connection, further connections on request Mounting: see respective design / connection, further mountings on request Sensor tube: ø6mm, ø8mm, ø10mm or ø12mm, length L±1mm according to

specification, material brass or stainless steel,

other materials available on request

Temperature sensor: platinum resistor PT100 in 2-, 3- and 4-wire technology

Tolerance class: DIN EN 60751, class B
Nominal resistance: 100 Ohm at 0°C

Temperature coefficient:
Inductance of the measuring element:
Self-heating:
0,4K/mW
0,4K/mW

Long-term stability after 1000h at 150°C: R₀-Drift < 0,06 %

Pressure: see design / connection Operating temperature: see design / connection

BT01: -15°C to 100°C in medium, -20°C to 70°C above mounting BT06: -30°C to 180°C in medium, -20°C to 70°C above mounting

(only in connection with stainless steel)

BT08: -30°C to 150°C in medium, -20°C to 70°C above mounting

(only in connection with stainless steel)

higher temperatures on request

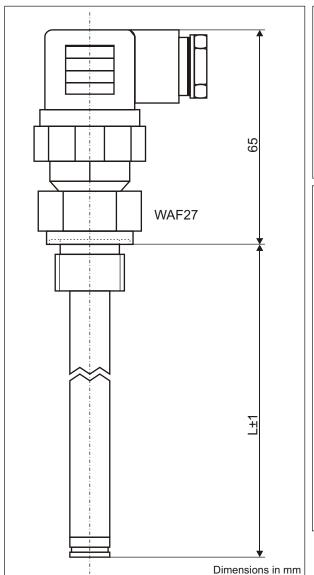
Protection rating: IP 65

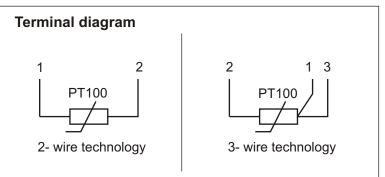
**Comment:** For further protection, a thermowell can be used, see additional data sheet THE..., select sensor tube 16mm longer than protective tube of thermowell.

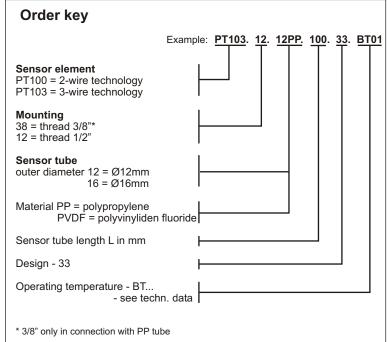


### **Data sheet**

## Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...







#### **Technical data**

Connection: plug-type connection 2-, 3-pole + PE DIN EN 175301-803, material PA

Mounting: thread 1/2" material PP or PVDF

thread 3/8", material PP

Seal: material NBR

Sensor tube: ø12mm, length L±1mm acc. to customer specification, material PP

ø16mm, length L±1mm acc. to customer specification, material PVDF

Temperature sensor: platinum measuring resistor PT100 in 2-, 3- wire technology

Tolerance class: DIN EN 60751, class B

Nominal resistance: 1000hm at 0°C
Temperature coefficient: 38850ppm/K
Inductance of the measuring element: 0,03µH
Self-heating: 0,4K/mW

Long-term stability after 1000h at 150°C: R₀-Drift < 0,06 % Pressure: max. 5bar

Operating temperature: BT03: -15°C to 80°C in medium, -20°C to 70°C above mounting

(only in connection with PP)

BT01: -15°C to 100°C in medium, -20°C to 70°C above mounting

(only in connection with PVDF)

Protection rating: IP65