

# DIVERSITY CUSTOMIZED

## TWC-N

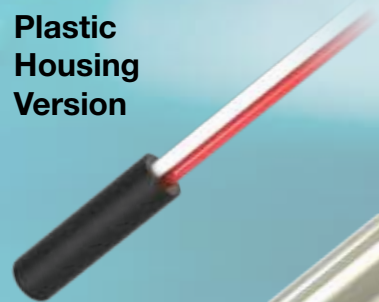
### NTC Temperature sensor [OEM]

Negative Temperature Coefficient (NTC) sensors are able to convert small temperature changes to significant resistance changes.

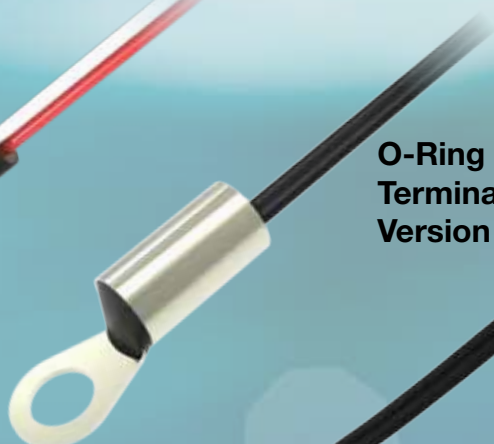
#### Technical Details:

- Temperature range:  
-40 ... 200 °C
- Accuracy:  
±0.2 °C at R25 reference  
±0.1 °C for medical application
- Rated Current: <1 mA
- Approved HV Safety: ≤ 3000 V<sub>DC</sub>
- IP Grade: IP68
- Fast response time
- High accuracy and reliability

#### Plastic Housing Version



#### O-Ring Terminal Version



#### Thermoplastic Overmoulded Version



#### Stainless Steel Housing Version



KOBOLD Messring GmbH  
Nordring 22-24  
65719 Hofheim am Taunus  
Germany  
[www.kobold.com](http://www.kobold.com)



#### Application:

- Automotive industry
- Electric mobility
- Charging stations
- Process monitoring / control
- Industrial installations
- Laboratories

# DIVERSITY CUSTOMIZED

## TWC-P

### PT Resistance thermometers [OEM]

Platinum (PT) resistors are utilised for simple, precise and linear temperature measurements.

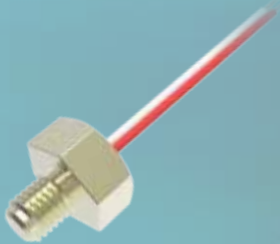
#### Technical Details:

- Temperature range: -196... 600 °C
- Accuracy: Class A, B IEC 60751  $\pm 0.1$  °C with PCBA calibration
- Rated Current: <1 mA
- Approved HV Safety:  $\leq 3000$  V<sub>DC</sub>
- IP Grade: IP68
- Fast response time
- High accuracy and reliability

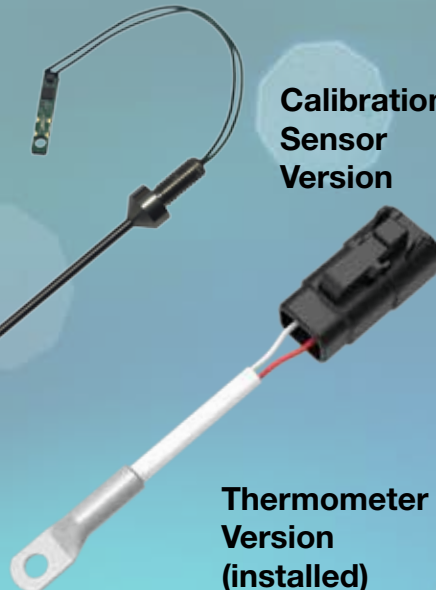
Stainless Steel  
Housing  
Version



Thread Unit  
Version



Calibration  
Sensor  
Version



Thermometer  
Version  
(installed)



#### Application:

- (Green) energy generation
- Building services (HVAC)
- Industrial applications
- Power transmission / conversion
- Medical applications

