Temperature Sensor

P/N 56.01.004

Dimensions
- Insertion length: 50 mm (1.97”)
- Overall length: 112 mm (4.41”)
- Diameter of protection tube: 8 mm (0.31”)

Connections
- Process connection: Thread G 1/2”

Measuring Range
- Temperature limits: –50 °C to +260 °C (–58 °F to +500 °F)
- Working temperature: –50 °C to +200 °C (–58 °F to +392 °F)

Climatic Environmental Conditions
Permissible temperature
- Operation: –40 °C to +85 °C (–40 °F to +185 °F)
- Storage: –40 °C to +100 °C (–40 °F to +212 °F)
- Temperature influence: ≤ ±0.01%/K deviation from +22 °C (+72 °F)

Electrical Data
- Power supply Ub: 7.5 V DC to 30 V DC
- Working resistance: \( R = \frac{(U_b - 7.5 \text{ V})}{22 \text{ mA}} \)

Pin Designation
- 1: Power supply Ub +
- 2: Power supply Ub –

Two-wire connection
Overview Drawing