## Pt100 temperature sensor

# 7410C

– Accuracy, IEC 60751 class A
– Wall-mounted
– Red-lacquered lightweight metal housing
– Protection tube Ø 6 mm
– Ambient temperature range -50°C to +80°C

**Application**
• Temperature measurement in general work, industrial and storage facilities as well as cold and freezing rooms.

**Technical characteristics**
• The sensor element is a thin film platinum resistor – Pt100 – laboratory-trimmed to comply with the resistance values defined in the standard IEC 60751 DIN class A.
• The advantage of a thin film element is a very short response time.
• The Pt100 element is electrically isolated from the protection tube and the terminal head.
• The protecting tube measures Ø 6 mm. It is made of stainless, acid-proof steel W No. 1.4571/ AISI 316TI, filled with aluminum oxide powder.
• The terminal head is produced of lightweight metal and protected against corrosion through industrial lacquering.

**Electrical connection**
• The sensor is delivered with a 4-wire connection.

**Option**
• The Pt100 temperature sensor type 7410 can be delivered with an integrated 2-wire universal temperature transmitter type 5331, 5332, 5333, 5335, 5337 or 5437.

## Environmental Conditions

Protection degree........................................... IP67

## Mechanical specifications

Protection tube.............................................. Ø 6 mm
Sensor length................................................ 80 mm
Wire connection............................................ PG 16

## Common specifications

Recommended sensor current....................... ≤ 2 mA
Max. temperature diffusion
at 0°C: IEC 60751 class A............................ ≤ ±0.03°C
Accuracy...................................................... IEC 60751, Class A