More than sensors + automation

# JUMO MarineTemp

## Screw-in RTD temperature probe for maritime applications

### Highlights overview

- Single RTD temperature probe with terminal head B
- For temperature ranges from -50 to +400 °C
- Available with transmitter
- Easy installation
- Bureau Veritas approval for maritime applications

Type 902850

## Product benefits

- Quick response times – a reduced probe tip allows response times of $t_{0.9}$ = 14 s to be reached in water
- Increased safety – thanks to successful testing by Bureau Veritas
- Flexible and time-saving startup – due to availability of different standardized process connections

## Brief overview

The screw-in RTD temperature probe for maritime applications is commonly used for measuring temperatures in liquids and gases. The intelligent design of the RTD temperature probe with a fixed measuring insert allows temperatures to be measured under standard conditions. The terminal head (Form B or BUZ) is suitable for ambient temperatures up to 100 °C. Per default, a Pt100 temperature sensor according to DIN EN 60751, class B in a two-wire circuit is installed in the measuring insert. Versions of class A or AA are also possible. Versions with a reduced probe tip are available for quicker response times. A transmitter can be integrated into the terminal head as an option.

## Technical data

| | |
|---|---|
| **Operating temperature** | -50 to +400 °C |
| **Measuring insert** | 1 × Pt100 in two-wire and four-wire circuit |
| **Tolerance class** | Class B, optional class A or AA) |
| **Protection tube** | Stainless steel 1.4571 (316Ti) in Ø 6 mm or Ø 8 mm, reduced version for quicker response times |
| **Terminal head** | Form B or BUZ |
| **Process connection** | Screw connection<br>G 1/4, G 3/8, G 1/2<br>M18 × 1.5, M12 × 1.5, 1/2" – 14 NPT |
| **Environmental influences** | Admissible temperature at connection head -40 to +100 °C |
| **Option** | Programmable head transmitter |

## Application areas

- Ballast water management
- Water treatment systems
- Generators, motors, and compressors
- Heating and air-conditioning industry
- For nearly all applications on ships

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