

PRB-PT100-3W

PT100 immersion probe · Class A RTD · 3-wire

Probe datasheet

The precision channel for fridges, cold rooms, ULT and mapping — wire-wound PT100 in a 316L sheath, IP68 tip.

Specifications

Sensor	PT100 Class A (IEC 60751:2022) · ±0.15 °C at 0 °C
Range	–50 to +200 °C
Sheath	316L stainless · Ø6 × 100 mm · t _{tip} < 10 s in water
Cable	3 m PTFE with stainless braid (5 m / 10 m variants)
Connector	M12 A-coded 4-pin · IP68 tip
Interface	MAX31865 RTD converter on-board / probe board

Variants & compatibility

Variants	PRB-PT100-3W-3M · PRB-PT100-3W-5M · PRB-PT100-3W-10M
Compatible monitors	ABH-100-D · ABH-200 · ABH-200-LR · ABH-300 family (4× via probe board)

The ABH line is at the design-frozen, pre-production stage: every enclosure has passed generated fit-check geometry (791/791 checks, 20/20 SKUs) and every battery-life, drop, thermal and IP figure shown is a calculated or simulated design estimate — measured values replace them as validation hardware runs. Regulatory marks above are the certification roadmap, not held certificates.

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