

PRB-TC-K-3M

Type-K thermocouple probe · Industrial high-temp

Probe datasheet

Autoclave, oven and sterilization duty — Inconel sheath on fiberglass cable to +1000 °C.

Specifications

Sensor	Type-K · ±1.5 °C or 0.4 % of reading
Range	−40 to +1000 °C
Sheath	Inconel 600 · Ø6 × 150 mm
Cable	3 m fiberglass · IP67 connector (5 m variant)
Interface	MAX31856 thermocouple converter (Exp-A)

Variants & compatibility

Variants	PRB-TC-K-3M · PRB-TC-K-5M · PRB-TC-K-3M-HT (ceramic)
Compatible monitors	ABH-300-TC

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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