

1150 °C

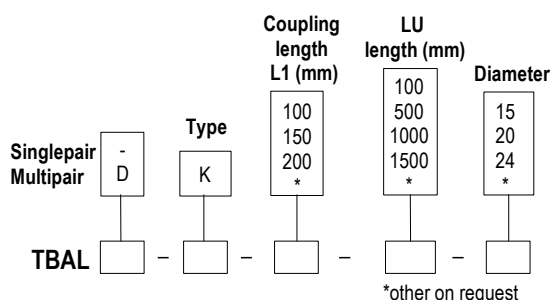


Thermocouple K sensor for high temperature with ceramic protection

TBAL K / TBALD K

- Thermocouple K.
- Working temperature: up to +1150 °C.
- Mounting with **ceramic sheath**.

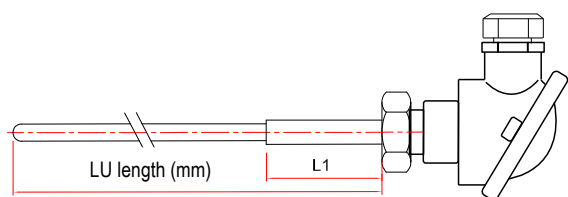
PART NUMBERS



Example: TBAL-K-100-500-15

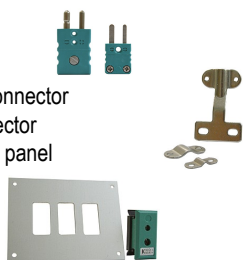
Model: Thermocouple type K, sheath of 15 mm Ø with a coupling of 100 mm length and a ceramic of 400 mm length. LU is 500 mm.

DIMENSIONS



ACCESSORIES (SEE DATASHEET)

- Extension cable
- Compensating cable
- Standard or miniature connector
- Cable seal for plug and socket connector
- Miniature or standard fixed connector
- Miniature or standard connectors panel
- Extension lead
- Converters



TECHNICAL FEATURES

Maximum operating temperature	+1150 °C
Accuracy*	± 0,0075 t t l
Sheath	Coupling 21.3 mm Ø (Customized length) Watertight refractory ceramic sheath (CRE 610) Standard 15 mm Ø (Other on request) (Customized length)
Mounting	Wires in ceramic pearls Couple of wires Ø 2.9 mm (singlepair) or Ø 2.3 mm (multipair) (Other on request)
Connection head	Aluminium alloy (120 °C max) Steel cable gland: M20 x 150 IP54 protection
Storage temperature	From -20 °C to +80 °C

TOLERANCES* OF THE PROBE

As per IEC 584-3 norm

TC	Measuring range Class 1	Tolerance
K	From -40 °C to +1000 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 1000 °C ± 0.004 x T° abs

* Performed in laboratory conditions, the above accuracies mentioned in this document will be guaranteed, provided that you use the calibration compensation data or identical calibration conditions.

MOST COMMON THERMOCOUPLE TYPES

Thermocouple type	+ conductor	- conductor	Color of compensating cable
K	Chromel	Alumel	Ext. color + = green, - = white

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