

1150°C

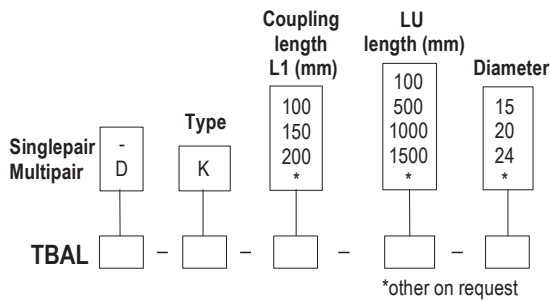


**Thermocouple K sensor  
for high temperature  
with ceramic protection .**

**TBAL K / TBALD K**

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

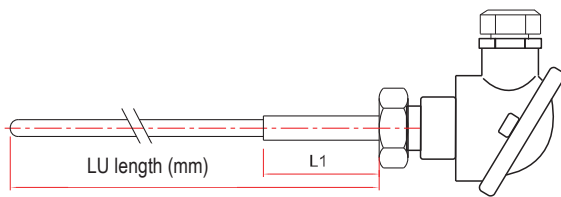
**Part numbers**



Example : TBAL-K-100-500-15

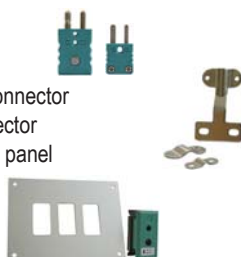
Model : Thermocouple type K, sheath of 15 mm Ø with a coupling of 100 mm length and a ceramic of 400 mm length. LU is 500 mm.

**Dimensions**



**Accessories (See related FT)**

- 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 l 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

[www.kimo.fr](http://www.kimo.fr)



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