

1600°C



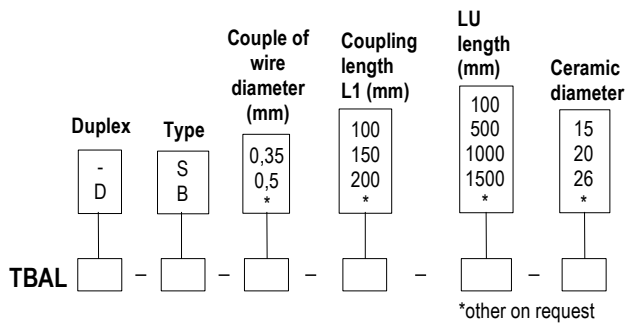
**Thermocouple S or B sensor
for high temperature
with ceramic protection.**

TBAL S / TBALD S

- Thermocouple S or B.
- Measuring range : up to +1600°C.
- Mounting with alumina sheath

Part numbers

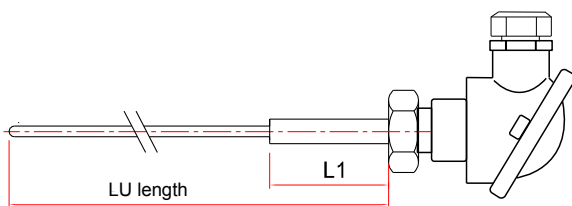
To order, just add the codes to complete the part number.



Example : TBAL-S-35-100-500-15

Model : Thermocouple type S, with a couple of wire of 0.35 mm Ø. Contact tip diameter 15 mm with coupling of 100 mm length and ceramic of 400 mm length. LU is 500 mm.

Dimensions



Accessories (See data sheet)

- 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...+1600°C

Accuracy.....± 0,0025 | t |

Contact tip.....Coupling Ø according to ceramic sheath (customized length)
Pure APF 710 sintered alumina sheath
Customized Ø according to application
Couple of wires 0,35 or 0,5 mm Ø

Connection head.....Aluminium alloy (120°C max)
Steel cable gland : M20 x 150
IP 54 protection

Storage temperature.....from -20°C to +80°C

Tolerances of the probe

TC	Measuring range Class1	Tolerance
S	From 0°C to +1600°C	From 0 to +1100°C ± 1°C From 1100°C to 1600°C ± (1+0.003*(T°-1100))
B	From 0°C to +1700°C	From 600°C to 1700°C ± 0.0025 x T° abs

Most common thermocouple types

Thermocouple type	+ conductor	- conductor	Color of compensating cable
S	Platinum- Rhodium 10%	Platinum	Ext. color + = orange, - = white
B	Platinum- Rhodium 30%	Platinum- Rhodium 6%	Ext color + = grey, - = white

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