

IBA Series

Bayonet thermocouple, PT100/1000

Ref : 2808

Rev : B



DESCRIPTION

This convenient, low cost and robust sensor is used mainly in the plastics industry, but also in the temperature monitoring of tooling. It allows the hot spot to be pressed onto a surface or a tool thanks to its return spring.

K Green

J Black

T Brown

N Pink

E Purple

R/S Orange

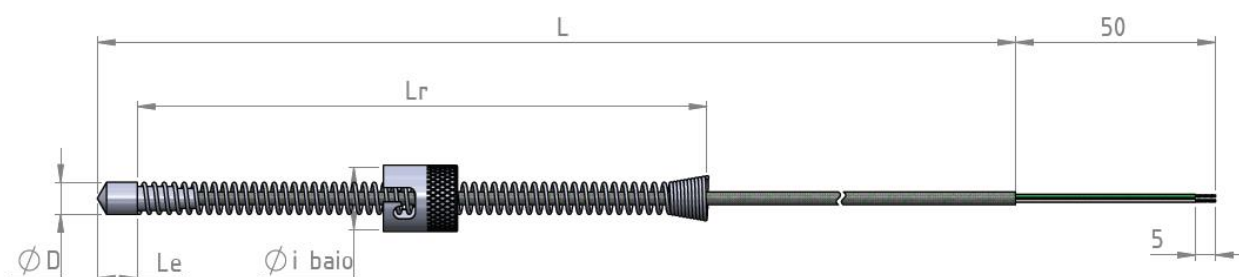
B Grey

Cu White

TECHNICAL CHARACTERISTICS

PARAMETERS	SECURITIES
Type	PT100 (single or double) / PT1000 (single or double) / Type K, J, T, E, N, S thermocouple (single or double)
Temperature range	-60°C to 480°C (-60°C to 250°C if shielded Teflon cable)
Construction of the tip	Stainless steel 304 (other contact us)
Construction of cable	Armoured glass silk standard (shielded Teflon optional)
Precision	PT100 / PT1000: Class A according to NF EN 60751 standard (other on request) Thermocouple: Class 1 according to NF EN 60584-1 standard
Type of tip	Rounded (standard), flat, conical (120° or 90°)
Tip diameter	5 / 6 / 8 mm (other on request)
Tip length	5 / 10 / 20 mm (other on request)
Spring length	250 mm standard (other length on request)
Bayonet	Inner diameter according to the diameter of the tip (other on request): 5 mm → 10.5 mm / 6 mm → 12.5 mm / 8 mm → 14.5 mm Double pin standard (single pin optional)
Total length	2 m standard (other on request)
Connection	Bare wires standard (specific connector on request) PT100 / PT1000: 3-wire mounting standard (2- or 4-wire on request)

DIMENSIONS



POSSIBLE TIPS



Rounded (standard)

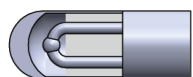


Flat



Conical

HOT SPOT (thermocouple)

**Insulated (standard)****Grounded**

WIRING (thermocouple)

EXTENSION THERMOCOUPLE COLOUR IEC584-3		
K 	Green	+ Green
		- White
J 	Black	+ Black
		- White
T 	Brown	+ Brown
		- White
E 	Purple	+ Purple
		- White
N 	Pink	+ Pink
		- White
S 	Orange	+ Orange
		- White

ORDER INFORMATION

IBA D Le N x Lr L XXX

Diameter (D):
5 / 6 / 8 mm
Other on request

Tip length (Le):
5 / 10 / 20 mm
Other on request

Number of items:
None: Simple
2 : double

Probe type:
PT100 : **P**
PT1000 : **PX**
Thermocouple : **K / J / T / E / N / S**

Special options
Unique alphanumeric code

Total length (S):
None : 2 meters (standard)
< 1 metre: in mm
≥ 1 metre: in m (**M**)

Spring length (Lr):
250 mm
Other on request

• Special options

OPTION	PARAMETERS	
Hot spot (thermocouple)	Insulated (standard) Grounded	
Nature of the tip	Stainless steel 304 (standard)	Other on request
Nature of the extension	Shielded glass silk (standard) Shielded Teflon	Temperature: 480°C max Temperature: 250°C max
Type of tip	Rounded (standard) Flat Conical 120° Conical 90°	
Connector Type	None (standard) Miniature male Miniature female Standard male Standard female Ultra-miniature male Ultra-miniature female Other type of connector	200°C max (standard) High temperature (350°C max) Ceramic tiles (650°C max) (contact us)
Bayonet	Standard Inside diameter according to diameter of the tip: 5 mm → 10.5 mm 6 mm → 12.5 mm 8 mm → 14.5 mm Double pin	On request Other inner diameter Simple pin
PT100/PT1000 mount	3 wires (standard) 2 wires 4 wires	
PT100/PT1000 Accuracy	Class A (standard) Class B Class AA	According to NF EN 60751 standard

- Example : IBA520K200 0
- Thermocouple type K
 - Mounted on rounded stainless-steel tip 304
 - Diameter 5 mm
 - Length 20 mm
 - Extended by spring length 200 mm
 - Double ergot bayonet
 - Internal diameter 10.5 mm
 - Shielded glass silk cable
 - Total length 2 m
 - Bare wire output
 - Class 1 according to NF EN 60584-1 standard
 - Color code according to NF EN 60584-3 standard

CONTACT

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