

Direct mounting thermocouple : C 1006i



- **C 1006i :** *Miniature thermocouple for temperature measurements in solid or liquid bodies.
(Without interchangeable measure element)*
- **C1006i 01 :** *Version with interchangeable measure element
(Without protective sheath)*
- **Applications:** *Building
Environment
Air conditioning
Machine assembly*
- **Quick Response Time**
(Single protective sheath)

- **Models available in ATEX and IECex version
Intrinsic safety Gaz and Dust.**



SP1006i probes are intended for temperature measurement of cost sensitive application or requiring a short response time. Suitable for large range of application (not at least industrial). Direct output or loop powered. (DAN head)

TECHNICAL SPECIFICATION : (standard execution)

- **Connection head:** MA Type miniature IP 54 waterproof
(Aluminum alloy, epoxy coated)
(other head type on request)
 - **Measure element:** Thermocouple J, K, T,... type, single or duplex class 1.
 - **Fastening:** 1/2" G cyl. stainless steel connector welded on sheath
Sliding connection (**RC**)
Staight pipe (**R0**)
Welded or sliding flange
Other connection on request
 - **Protection sheath:** Stainless steel 316 L, Ø 6 mm, 0,4 mm wall thickness
Utile length (including threading): 20 ... 500 mm
Usage Temperature: - 50 to + 600 °C.
(high temperature option: 1100°C)
Maximum temperature on head: 100 °C
- REMARK: Considering the protector low wall thickness, it is recommended to use probe in low-flow process.
- **Options:** Other connection types.
Other sheat diameters.
Other head types.
Reduced extremity.
Embedded measure transmitter

C1006i
Staight



C1006i screw
connection



C1006i
Staight with
JPC flange



C1006i
with DAN
head



Fastening Accessory

Thermowell
Quick inter-
changeability

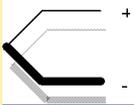


Sliding
connection



JPC type
Sliding flange

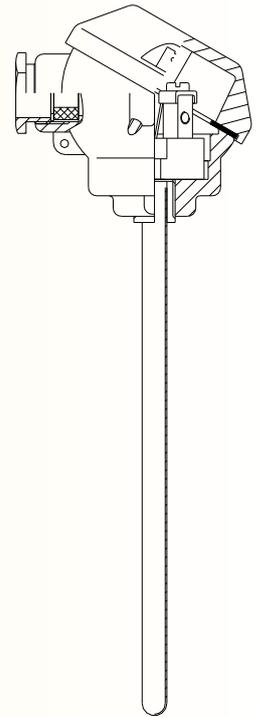
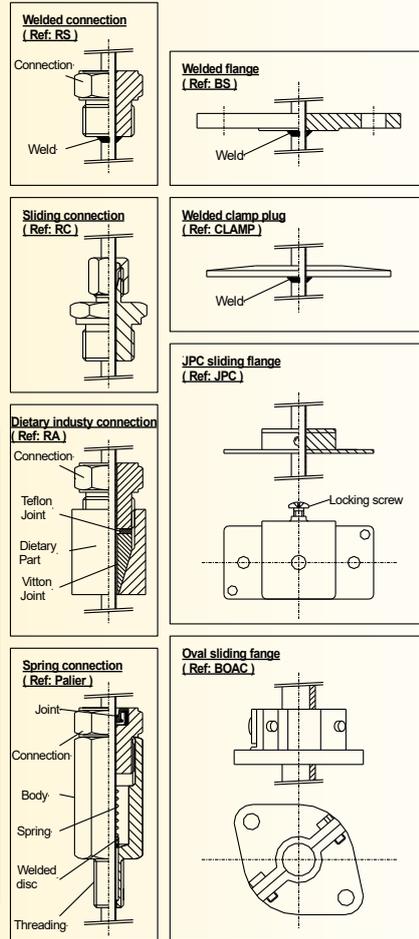




Technical specification:

- Maximum temperature use: + 600 °C
- Responce time standard version
(mean value given for information only) :
in water at 0,4 m/s : $t_{0,5} = 10$ s $t_{0,9} = 30$ s
- Response time version with reduced extremity
(mean value given for information only) :
in water at 0,4 m/s : $t_{0,5} = 7$ s $t_{0,9} = 20$ s
- dielectric strength: 500 Vdc
- insulation > 200 Mohms
- tolerance classes: 1
- pressure holding: tipically 50bars (ambient temperature)

Fastening:



Possible output:

Transmitter
output
(SC)

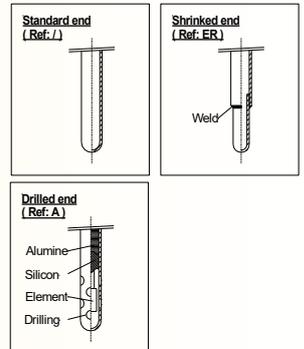
Terminals
output
(SB)

Wires
output
(SF)

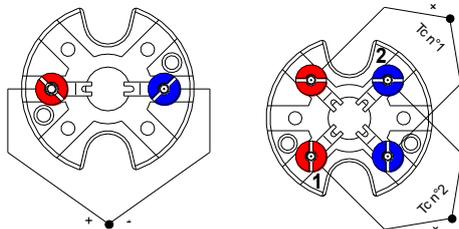


Any other dimensions and diameter on request.

End



Wiring:



Order code														
C	K	D	1006	i	CAL40	Ti 100	ER	MA	-	RCi	/	L 150	/	D 6
Couple	type	Single (by default) or Duplex élément	Model	Stainless steel	optional incorporated converter specify type	extention lenght (Intermediate Pipe) (mm) optional	if Reduced Extremity	Head type DANv DANc MA (by default)		Connection type RS : welded connection (by default) R0 :no connection RCi : stainless steel sliding connection RCa : steel sliding connection BS : welded flange Bjpc : JPC flange RT : turning connection		Utile length (mm)		External sheath diameter 6mm (by default) optional