

- **SP 1006i :** **Miniature platinum probe for solids or liquid temperature measurements.**  
(Without interchangeable measure element)
- **SP 1006i 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.

**TECHNICAL SPECIFICATION :** (standard execution)

- **Connection head:** MA Type miniature IP 54 waterproof  
(Aluminum alloy, epoxy coated)  
(other head type on request)
  - **Measure element :** CTN, Pt 100 ,PT1000,... ,single or duplex  
2, 3, 4 wires, 2x3 wires or 2x4 wires mounting.  
RTD class type: A, 1/3 B, 1/10 B ... in option.
  - **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 : 850°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.

**SP1006i**  
staight



**SP1006i screw**  
connection



**SP1006i**  
Staight with  
JPC flange



**SP1006i**  
with DAN  
head.



**Fastening Accessory**

**Thermowell**  
Quick inter-  
changeability



Sliding  
connection



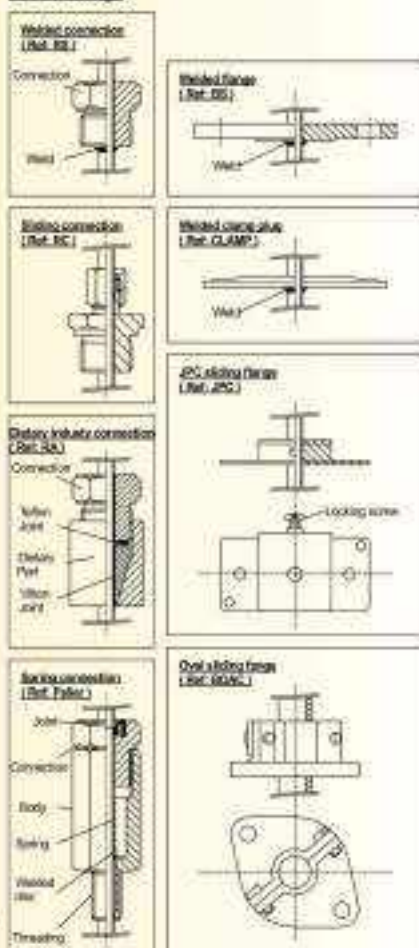
JPC type  
Sliding flange



**Technical specification:**

- Maximum temperature use : + 600 °C  
(in option : + 850 °C (HT version))
- Standard version response time  
(mean value given for information only) :  
in water at 0,4 m/s :  $t_{90} = 10$  s  $t_{90} = 30$  s
- Response time version with reduced extremity  
(mean value given for information only) :  
in water at 0,4 m/s :  $t_{90} = 7$  s  $t_{90} = 20$  s
- dielectric strength: 500 Vdc
- insulation >200 Mohms
- pressure holding : typically 50bars  
(ambient temperature).

**Fastening:**



**Possible output:**

Transmitter  
output  
(SC)

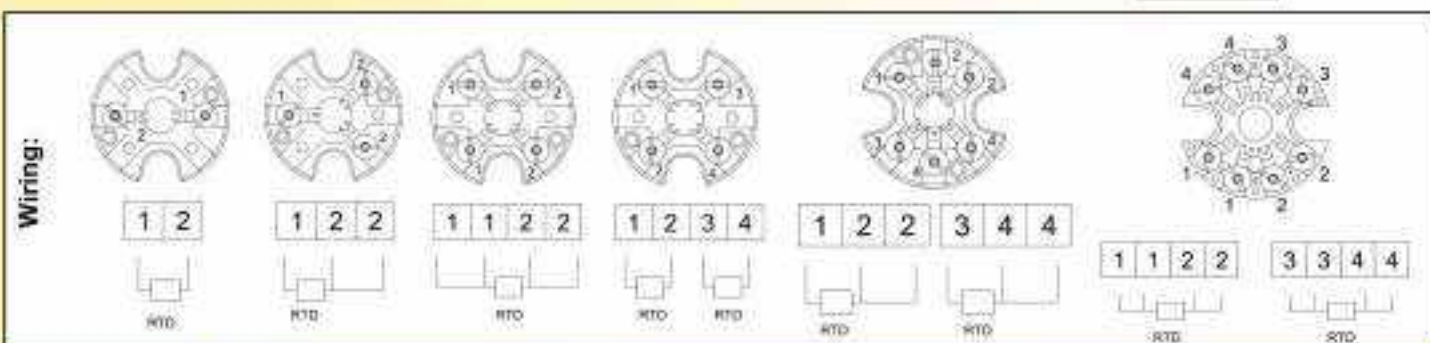
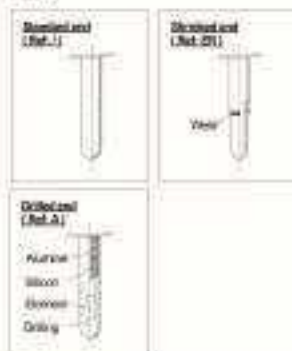
Terminals  
output  
(SB)

Wires  
output  
(SF)



Any other dimensions and diameter on request.

**End**



		Order code												
<b>SP</b>	<b>D</b>	<b>1006</b>	<b>I</b>	<b>81</b>	<b>CAL40</b>	<b>Tl 100</b>	<b>ER</b>	<b>MA</b>	<b>-</b>	<b>RCI</b>	<b>/</b>	<b>L 150</b>	<b>/</b>	<b>D 6</b>
RTD Probe	Single (by default) or Duplex element	Model	Stainless steel	if removable element	optional incorporated converter specify type  CAL40 CNL40 CNL40 lg	extension length (Intermediate Pipe) (mm)  optional	if Reduced Extremity	Head type  DANv DANc  Cast Iron  PVC MA (by default) Stainless steel ADF		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		Useful length (mm)		External sheath diameter  6mm (by default)  optional