

**Screw stainless steel platinum probe SPi type
with interchangeable measure element .**



- **SPI** (welded connection version)
- **SPI RC** (sliding connection version)
- **SPI RT** (turning connection version)
- **SPI ER reduced extremity** (faster response time version)
- **SPI TI with extension** (high temperature version)
- **SPI TI ER with extension and reduced extremity**
- **Interchangeable measure element.**
- **Modular assembly according application**
- **Application domains**
Industrial process
Tank and piping
Machinery and equipment



• **Models available in ATEX and IECEx version**
Intrinsic safety Gaz and Dust




SPI sensors are intended to measure industrial temperature, equipped protective of welded sheat, they are intended for use on tank and piping. Direct output or loop powered.

TECHNICAL SPECIFICATION : (standard execution)

- **Connecting head:** Light alloy DAN type with screw (ip65) or clip (ip54). Hinge mounting cap. M20x1.5 cable gland output. Other head on request.
- **Fastening:** 1/2" G cyl. stainless steel connector welded on sheath sliding connector in option (**RC**)
smooth pipe in option (**R0**) fixed on the flange
other connection on request
- **Protection sheath:** 316 L stainless steel, Ø 9 mm, 1 mm wall thickness
7 mm reduced extremity in option
- **Measure element:** Interchangeable during operation
304 L stainless steel ,
Ø 6 mm, 0,4 mm wall thickness,
Pt 100 Ohms, class B, according to CEI 751 norm,
single or duplex measure element,
2, 3, 4 wires, 2x3 wires or 2x4 wires mounting,
RTD class type: A, 1/3 B, 1/10 B, ... in option.
- **Options :** in head embeded transmitter (loop powered)
other pipe Ø
other materials

Fastening Accessory

Sliding connector



JPC type sliding flange



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Technical specification

- Maximum temperature use: -50 /+ 600 °C
(in option : -50/+ 850 °C (HT version) or -200/+200°C (BT version))
- Standard version response time
(mean value given for information only): Function of sheath type

in water at 0,2 m/s :	t _{0,5} = 25 s	t _{0,9} = 75 s
in air at 1 m/s :	t _{0,5} = 2 min.	t _{0,9} = 6,3 min.
- Response time version with reduced extremity
(mean value given for information only):

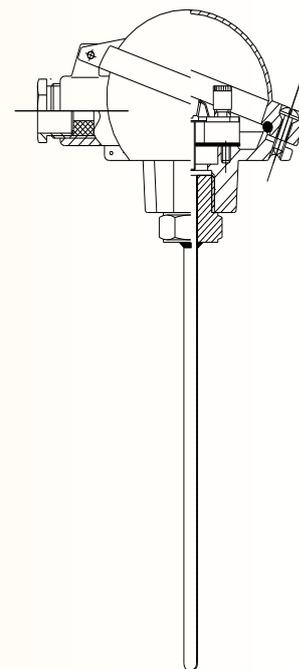
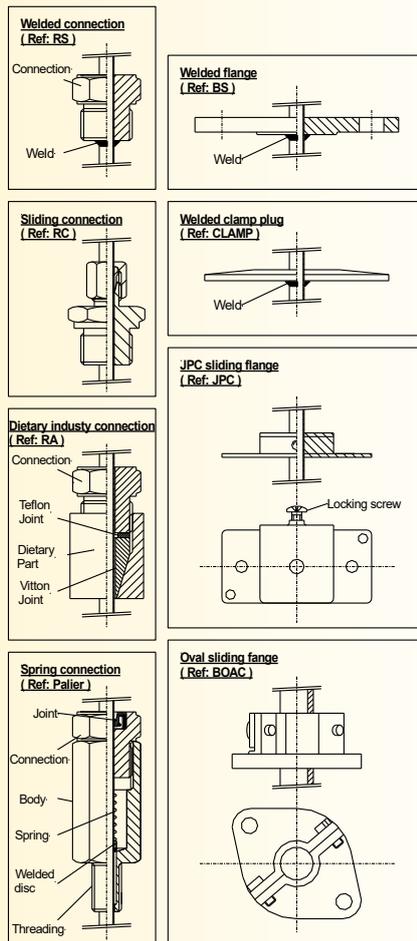
in water at 0,2 m/s :	t _{0,5} = 12 s	t _{0,9} = 35 s
in air at 1 m/s :	t _{0,5} = 1 min.	t _{0,9} = 3 min.
- dielectric strength: 500 Vdc ; insulation >200 Mohms
- maximum operating pressure: 50 bar (ambient temperature)

Interchangeable element outputs:

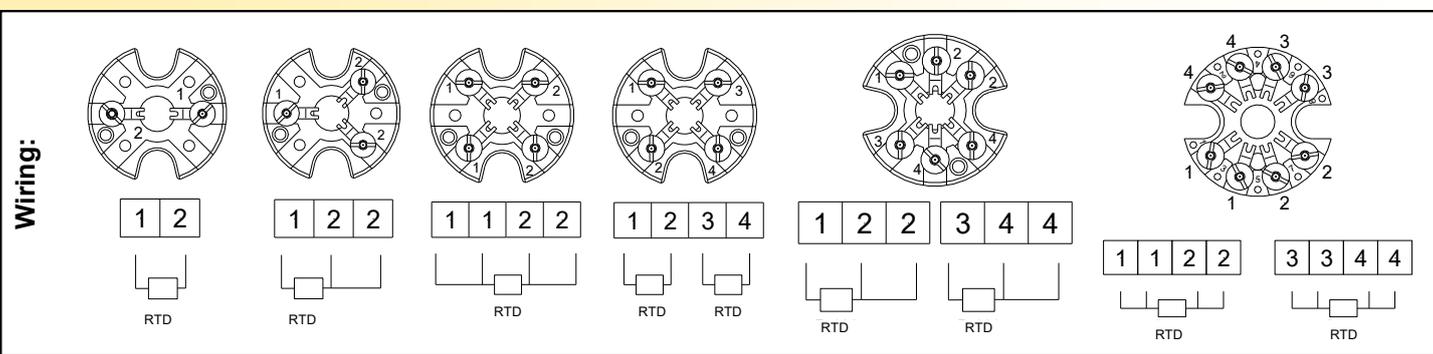
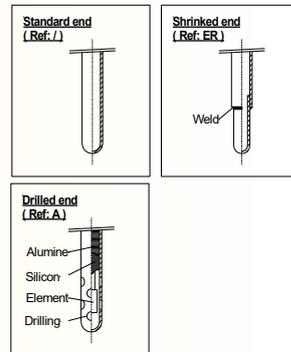
<p>Transmitter output (ELC)</p>	<p>Terminals output (ELB)</p>	<p>Wires output (ELF)</p>
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Any other dimensions on request.

Fastening:



End



Order code											
SP	D	160	i	Ti 100	ER	DANv	-	RCi	/	ELB	9
RTD probe	Single (by default) or Duplex element	Utile length (mm)	Stainless steel	Extension length (intermediate pipe) (mm) optional	if reduced extremity	Head type DANv DANc Cast iron PVC MA Stainless ADF		Connection type RS : welded connection (by default) R0: no connection RCi: stainless steel sliding connection RCa: steel sliding connection BS : welded flange RT : turning connection		Interchangeable element type ELB: screw-terminal output ELF: wire output ELC: output on embedded Inserted Type to be specified CAL40;CNL40; ,,,,,,	external sheath diameter 9mm (by default) optional