



Since 1984... Solutions for your Process

---

## *TEMPERATURE PROBES MANUFACTURES*

---

Thermocouples

---

---

Resistance Thermometers

---

---

Atex

---

---

Temperature Transmitters

---

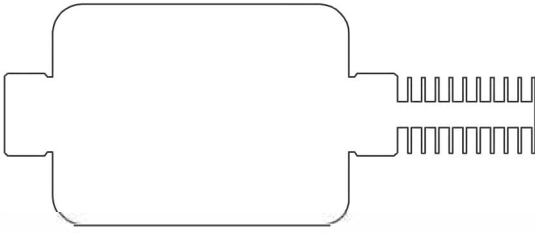
---

Accessories

---

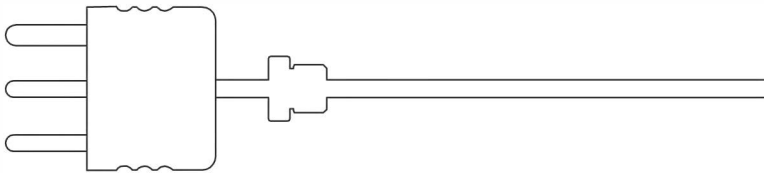
---

## ASPT-100 (Amb)



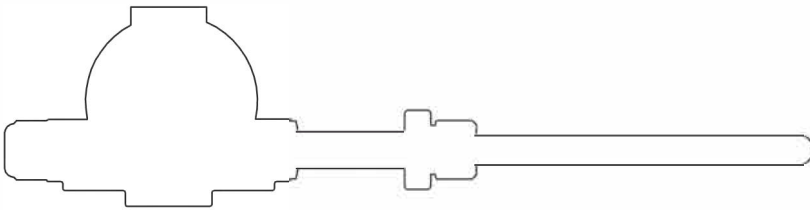
- Thermoresistance for ambient aerothermic survey and climatic chambers
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -50 °C to +120 °C

## ASPT-C



- Thermoresistance with headed Connector for general applications, laboratories, plastic/packaging field, climatic chambers
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -200 °C to +600 °C

## ASPT-Dy



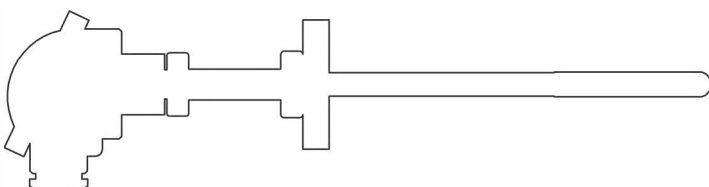
- Thermoresistance with Display for medium and big industrial plants with real-time displaying
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -200 °C to +600 °C

## ASPT-E



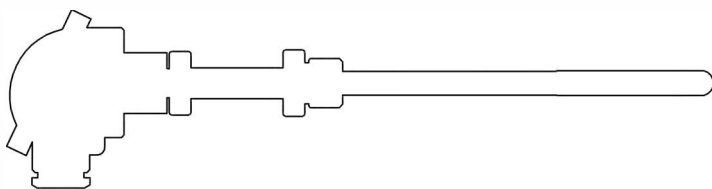
- Simple execution Thermoresistance for general applications
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -200 °C to +400 °C

## ASPT-FI



- Thermoresistance for aerothermic survey with flange for air-conditioning and air treatment systems
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -50 °C to +400 °C

## ASPT-H



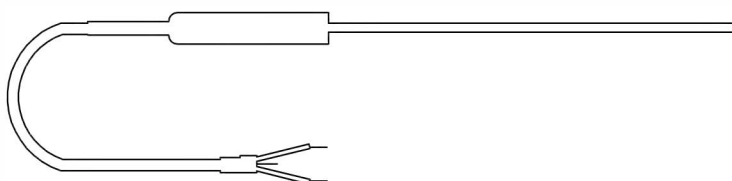
- Thermoresistance with Head connection for general applications on industrial, food, chemical market field, food ovens
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -200 °C to +600 °C

## ASPT-I



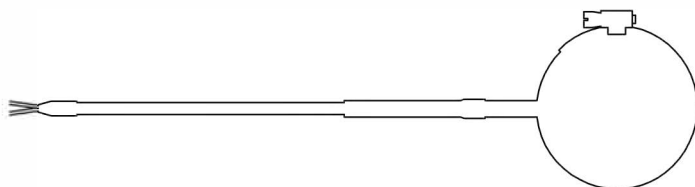
- Measuring insert for Thermoresistance as spare part to replace defective parts
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -200 °C to +600 °C

## ASPT-Im



- Thermoresistance with Handle for general applications, food and/or chemical field, wood treatments, laboratories
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -200 °C to +600 °C
- Optional: Certificated Calibration

## ASPT-S



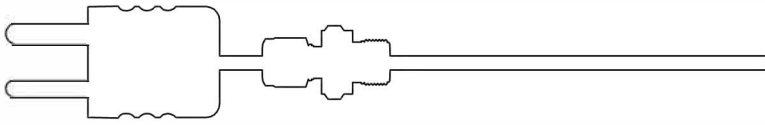
- Thermoresistance with Hose Clamp for temperature survey on tube or cylindrical bodies
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -50 °C to +400 °C

## ASPT-W



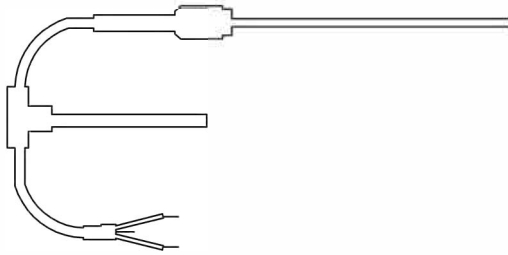
- Thermoresistance by oxide mineral compressed (MgO) for general application, engines test rooms, packaging, ovens and high vibrations work processing
- Nominal resistances 100 Ohm @ 0 °C, 1000 Ohm @ 0 °C (others on request)
- Measuring range from -200 °C to +600 °C

## ASTC-C



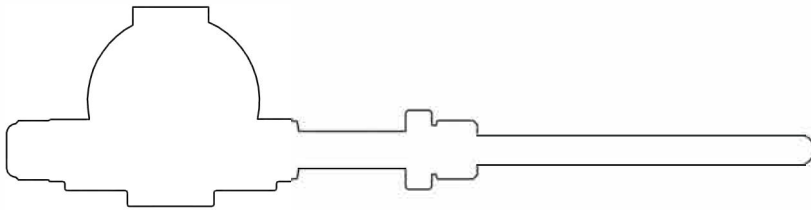
- Single or Double Thermocouple with headed Connector for general applications, ovens, industrial plants, laboratories where high speed response is required
- K, J, T, N, E, B, R, S type
- Hot Joint: insulated, mass or exposed

## ASTC-Sample



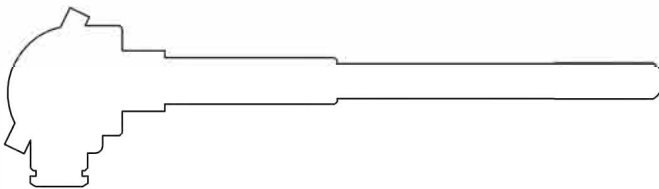
- High Accuracy Thermocouple for test/calibration laboratories applications
- B, R, S type
- Hot Joint insulated
- Option: Certificated Calibration

## ASTC-Dy



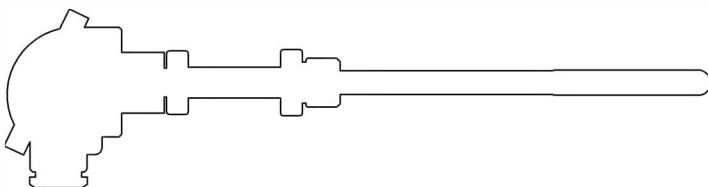
- Single Thermocouple with Display for medium and big industrial plants with real-time displaying
- K, J, T, N, E, B, R, S type
- Digital Display head connection

## ASTC-G



- Single or Double Thermocouple for High Temperature applications as glass and ceramic market field
- K, N, B, R, S type
- Ceramic sheath

## ASTC-H



- Single or Double Thermocouple with Head connection for general and industrial applications
- K, J, T, N, E, B, R, S type
- Hot Joint: Insulated, mass
- Mineral Oxide execution (MgO)

## ASTC-HR



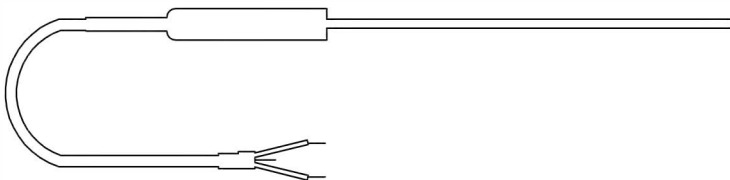
- Hot Runner Thermocouple
- Recommended for molds, nozzles, drains, injections, plastic field, packaging etc..
- K, J, T, N, type (others on request)
- Hot Joint: Insulated, mass
- Mineral Oxide execution (MgO)

## ASTC-I



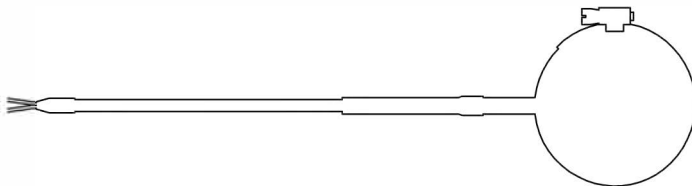
- Measuring insert for single or double Thermocouple as spare part to replace defective parts
- K, J, T, N, E type
- Ceramic terminal blocks or Transmitters

## ASTC-Im



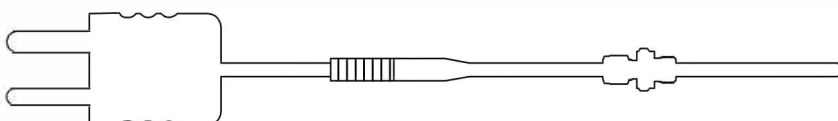
- Single Thermocouple with Handle for general applications, food and/or chemical field, wood treatments, laboratories
- K, J, T, N, E type
- Mineral Oxide execution (MgO)
- Plastic or Aluminium handle with anti-crease spring or cable gland

## ASTC-S



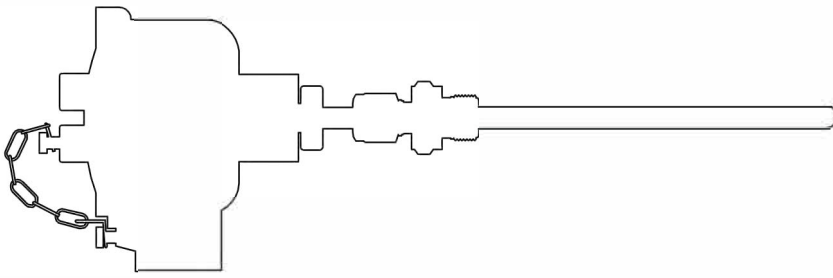
- Thermocouple for surface measurements on tube or cylindrical bodies
- K or J type
- Hot Joint: Insulated, mass or exposed
- Contact measuring tip by hose clamp or ring

## ASTC-W



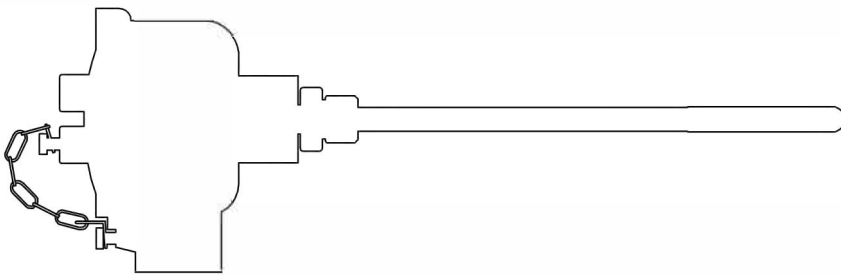
- Single or Double Thermocouple for general applications, engine test rooms, ovens, high vibrations processing places
- K, J, T, N, E, B, R, S type
- Hot Joint: Insulated, mass
- Various size and insulations extension cables

## ASPT-H-Ex



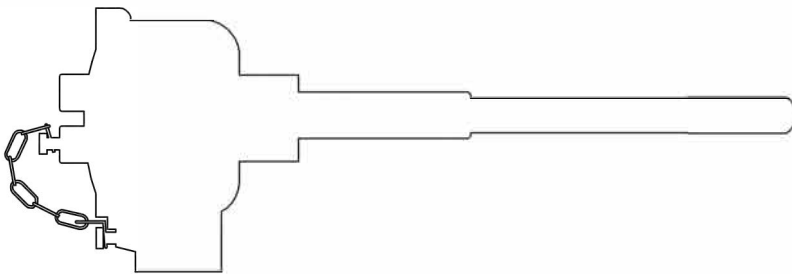
- Thermoresistance ATEX for Petrochemical applications, Oil & Gas, Chemical, Gas Oven, Food Storage
- Wires Number: 2, 3, 4
- Single or double execution
- Simple Insulation or Mineral Oxide (MgO)

## ASTC-H-Ex



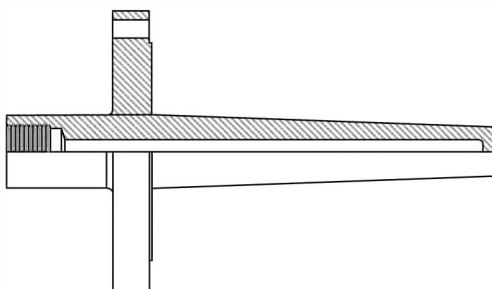
- Thermocouple ATEX for Petrochemical applications, Oil & Gas, Chemical, Gas Oven, Food Storage
- Suitable for 0, 1 and 2 Zone
- K, J, T, N, E, B, R, S type
- Single or double execution
- Simple Insulation or Mineral Oxide (MgO)

## ASTC-G-Ex



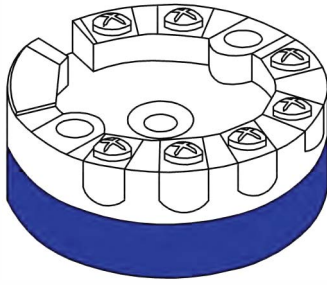
- Thermocouple ATEX for High temperature applications on dangerous industrial work processing
- K, J, T, N, E, B, R, S type
- Ceramic sheath in various diameters and lengths
- Simple insulation or Mineral Oxide (MgO)

## Bar Thermowells ASPZ-Ex



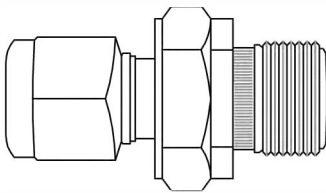
- Bar Thermowell to protect the thermo-elements from mechanic damage or immersion
- Suitable when the thermo-elements are exposed to high pressure, vibrations and stress caused from fluids or gases processing

## Temperature Transmitters Ex ia



- Intrinsically Safe EX ia temperature transmitters
- Configurable by PC or Hart Protocol
- For Thermocouples or Thermoresistances

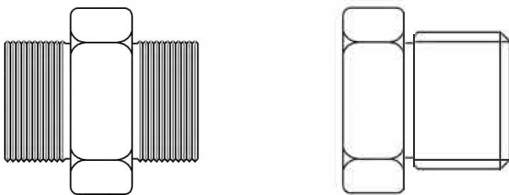
## Sliding Compression Fittings



- Stainless Steel 304/316, Teflon and Brass
- Through Tube diameters from 1mm to 21mm
- Conical or cylindrical threads
- Olive in Stainless Steel, Teflon and Brass

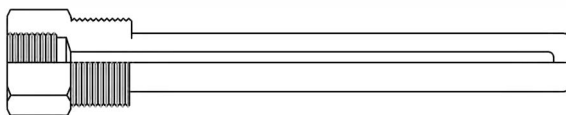
ATEX

## Fix Compression Fittings



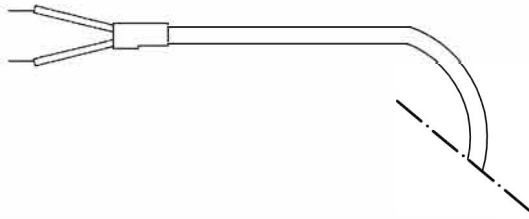
- Sheath welded
- Stainless Steel 304/316

## Tube Thermowell ASPZ-Ex



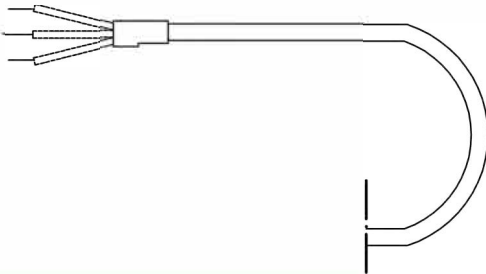
- Tube Thermowell to protect the thermo-elements from mechanic damage or immersion
- Suitable when the precessing stress or pressure are not influential and where the length request is outstanding

## Thermocouple Cables



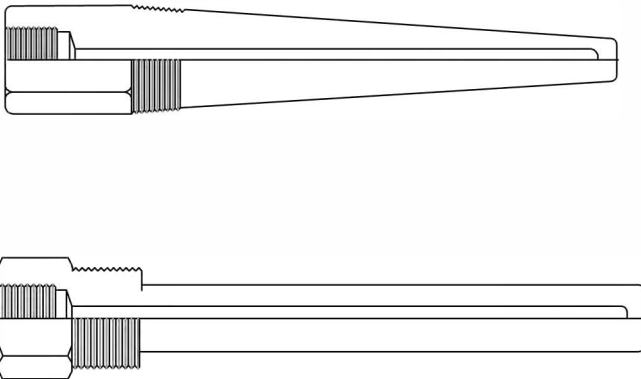
- Extension and compensation cables for Thermocouples by PVC, Silicon Rubber, Teflon, Kapton, Fiberglass with or without shield

## Thermoresistance Cables



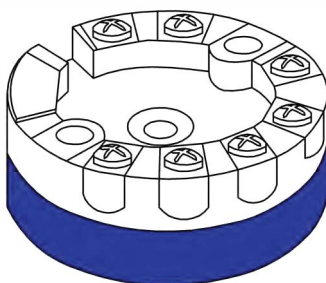
- Connecting cable for thermoresistance with 2/3/4/6 wires by PVC, Silicon Rubber, Teflon, Kapton, Fiberglass with or without shield

## Thermowells



- Tube or Bar Thermowell to protect the thermo-elements from mechanic damage or immersion
- The Tube Thermowells are suitable when the precessing stress or pressure are not influential and where the length request is outstanding
- The Bar Thermowells are suitable when the thermo-elements are exposed to high pressure, vibrations and stress caused from fluids or gases processing
- Sheath in Stainless Steel 304, 310, 316, 446, Inconel600
- Conical or Cylindrical execution

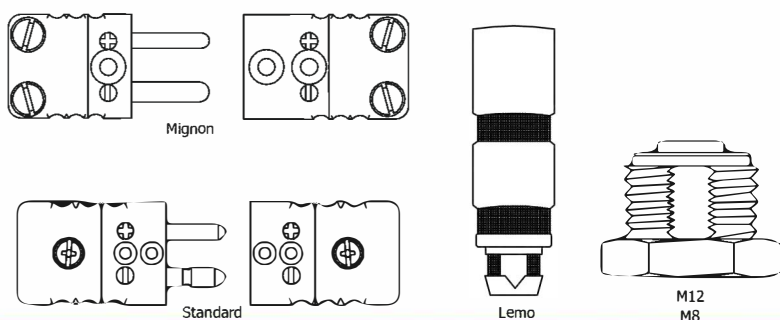
## Temperature Transmitters



- Thermocouple and Thermoresistances Transmitters
- For DIN head, DIN bar or integrated head display version
- Versions: Fix, PC or Smart Hart universal Protocol configurable

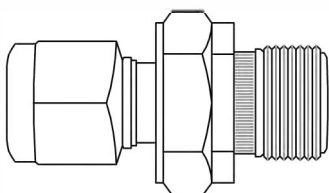


## Thermocouple and RTD Connectors



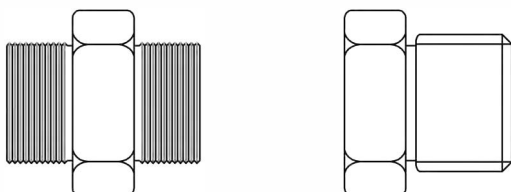
- Miniature, Standard, Lemo, M8 and M12

## Sliding Compression Fittings



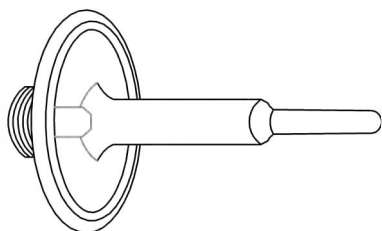
- Stainless Steel 304/316, Teflon and Brass
- Through Tube diameters from 1mm to 21mm
- Conical or cylindrical threading
- Olive in Stainless Steel, Teflon and Brass

## Fix Compression Fittings



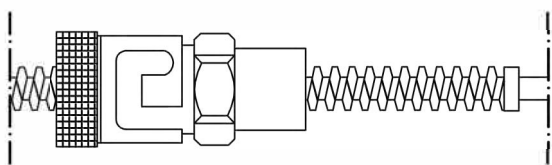
- Sheath welded
- Stainless Steel 304/316

## Clamp Fittings

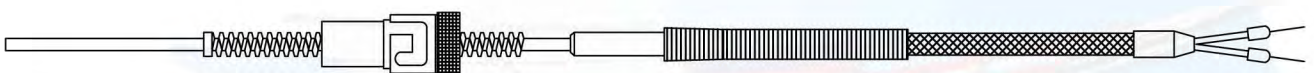
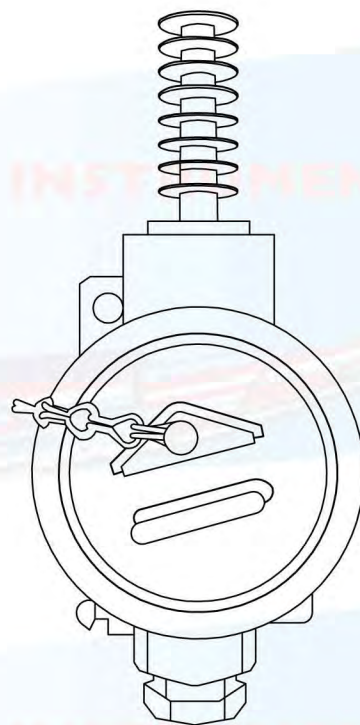
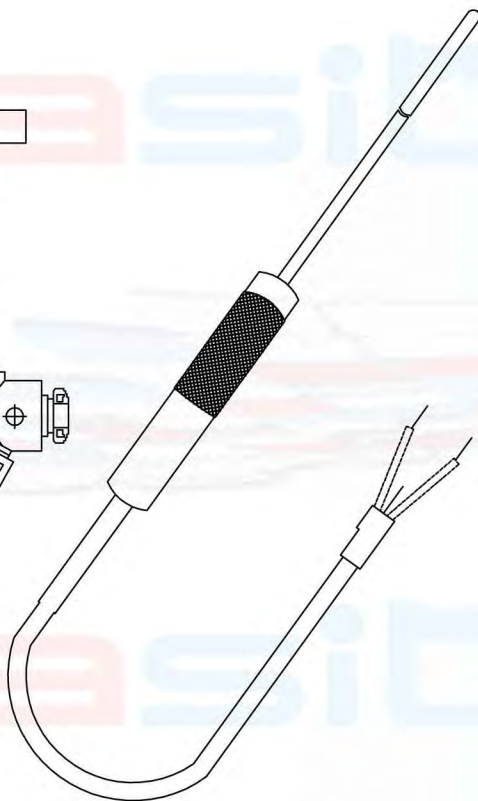
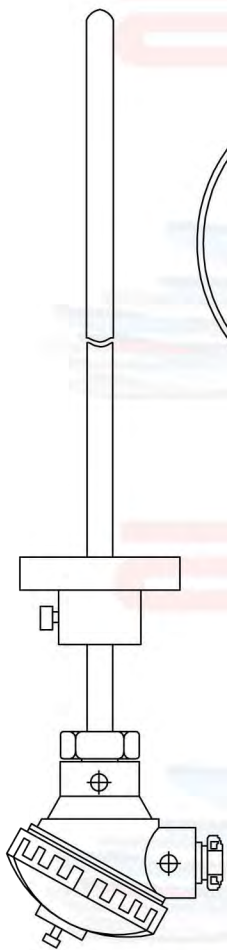
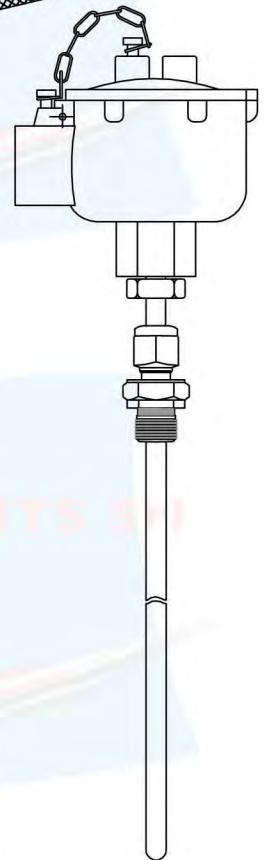
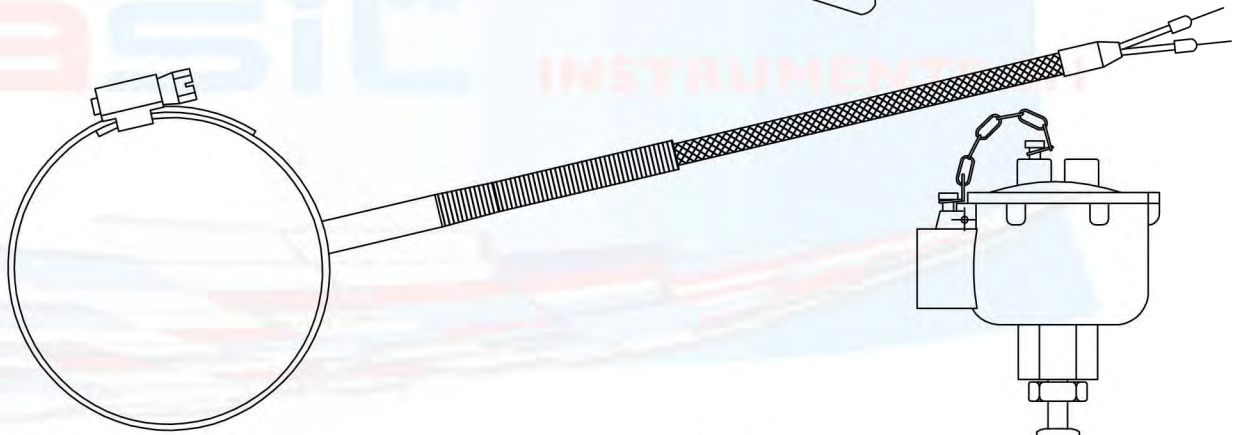
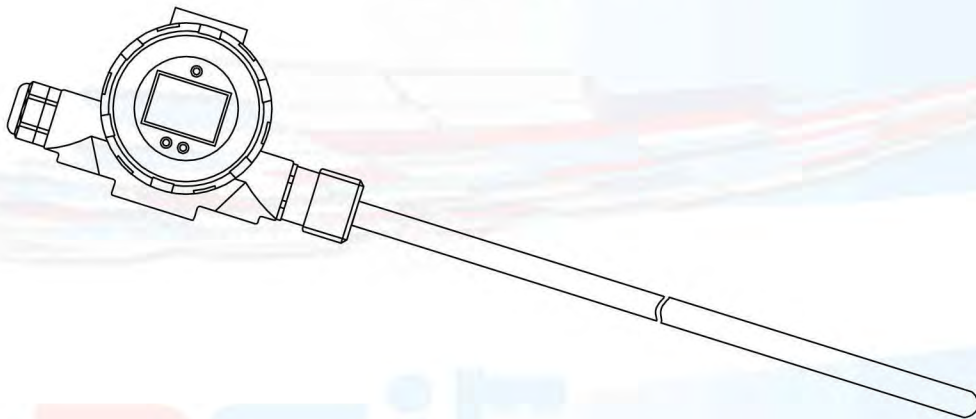


- Stainless Steel 316L
- From 1/2" to 12"
- From DN 8 to DN 250

## Bayonet Fittings



- Stainless Steel 303
- Metric or Inches threads



# Since 1984... Solutions for your Process



## Measuring Instruments

- Portable measuring instruments
- Portable and Laboratory Calibrators
- Pressure meters
- Flow meters
- Humidity meters
- Level meters
- Thermostats
- Control and Indication meters
- Displacement and Force meters

[strumentidimisura-asit.it](http://strumentidimisura-asit.it)

## Instruments Calibration Laboratories

### Calibration capabilities

- Pressure and Low Pressure Calibration
- Temperature Calibration
- Air Humidity and Temperature Calibration
- Electrical Calibration

### Calibration reports

- Masses and Balances
- Time and Frequency
- Liquid Flow Measurement



[taratureaccredia.it](http://taratureaccredia.it)



## Electrical Resistances

- Armoured Resistances
- Bands Resistances
- Nozzle Band Resistances
- Cartridge Resistances
- Temperature Control Systems

[resistenzeelettriche-asit.it](http://resistenzeelettriche-asit.it)



**A.S.I.T. Instruments Srl**

**Headquarter**

Strada Antica di None, 28/A, 10043 Orbassano -Torino Italy - Tel +39 011 9040296 - Fax +39 011 9040389 - [info@asitstruments.it](mailto:info@asitstruments.it) - [www.asitstruments.it](http://www.asitstruments.it)