1.1.1

RA

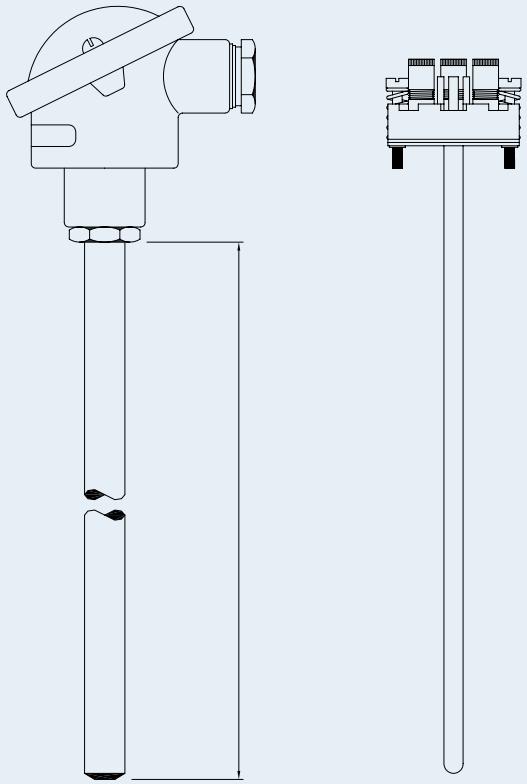
CHARACTERISTICS

General use sensor. Working temperature range -200ºC to +850ºC.
Connexion to the process can be adjustable through compression fitting, free insertion without coupling, or thermowell.

Removable measuring unit, RUM model.

Ceramic support, optional transmitter 4…20 mA.

Complying DIN 43760 standard.



APPLICATIONS

- Industries
- Laboratories
- Food sector
- Sanitary sector

SPECIFICATIONS

Process connexion	BSP, NPT, METRIC, ETC…
Sensor tube diameter	3, 4, 6, 8… 15mm
Sensing element	Pt100
Connexions	2, 3 and 4 wires
Accuracy	CLASS A or B (option 1/3, 1/5, 1/6, 1/10 DIN)
Measurement range	-200ºC to +600ºC (option 850ºC)

1.1.2

RGN

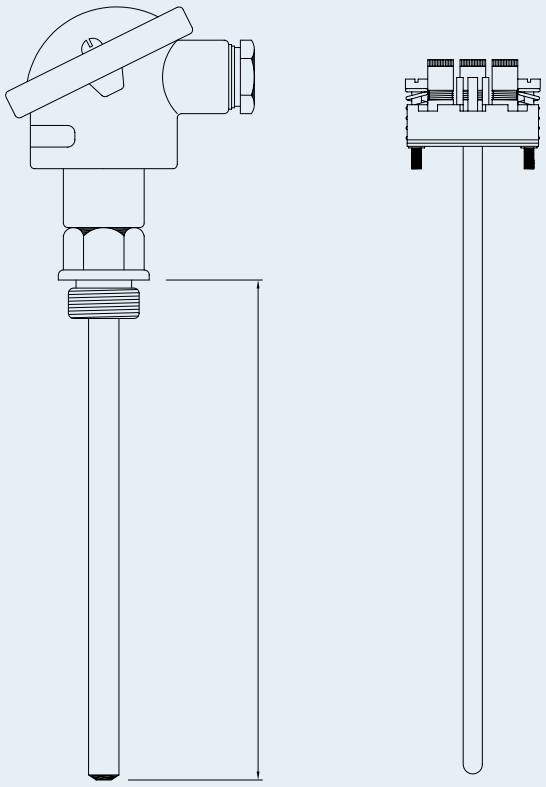
CHARACTERISTICS

General use sensor. Working temperature range -200ºC to +850ºC.
This model can be used directly in the process or through thermowell.
Coupling under connexion head BSP, NPT , METRIC, etc…

Removable measuring unit, RUM model.

Ceramic support, optional transmitter 4…20 mA.

Complying DIN 43760 standard.



APPLICATIONS

- Industries
- Laboratories
- Food sector
- Sanitary sector

SPECIFICATIONS

Process connexion	BSP, NPT, METRIC, ETC...
Sensor tube diameter	3, 4, 6, 8… 15mm
Sensing element	Pt100
Connexions	2, 3 and 4 wires
Accuracy	CLASS A or B (option 1/3, 1/5, 1/6, 1/10 DIN)
Measurement range	-200ºC to +600ºC (option 850ºC)

1.1.3

RGB

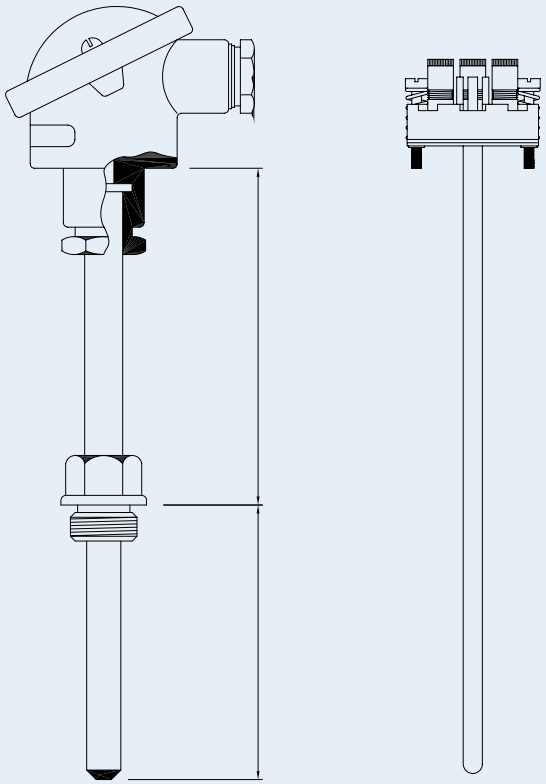
CHARACTERISTICS

General use sensor. Working temperature range -200ºC to +850ºC.
This model can be used in the process directly or through thermowell.
With cooling neck for insulation pipe of high temperature installations.
Length 100-145mm under connexion head.
Coupling under cooling neck BSP, NPT , METRIC, etc…

Removable measuring unit, RUM model.

Ceramic support, optional transmitter 4…20 mA.

Complying DIN 43760 standard.



APPLICATIONS

- Industries
- Laboratories
- Food sector
- Sanitary sector

SPECIFICATIONS

Process connexion	BSP, NPT, METRIC, ETC...
Sensor tube diameter	3, 4, 6, 8…15mm
Sensing element	Pt100
Connexions	2, 3 and 4 wires
Accuracy	CLASS A or B (option 1/3, 1/5, 1/6, 1/10 DIN)
Measurement range	-200ºC to +600ºC (option 850ºC)

1.1.4

RUM

CHARACTERISTICS

Standard measuring unit for general use. Working temperature range -200ºC to +850ºC.
RTD Pt100/ 3h DIN 43760 Class B.
This model is suitable for all our thermoresistances and is designed for various mounting configurations with load springs.

Thermowell connexion accessories:

- Nipple
- Three-part screw

(Accessories conform to ATEX standard optional)

Ceramic support, optional transmitter 4…20 mA.

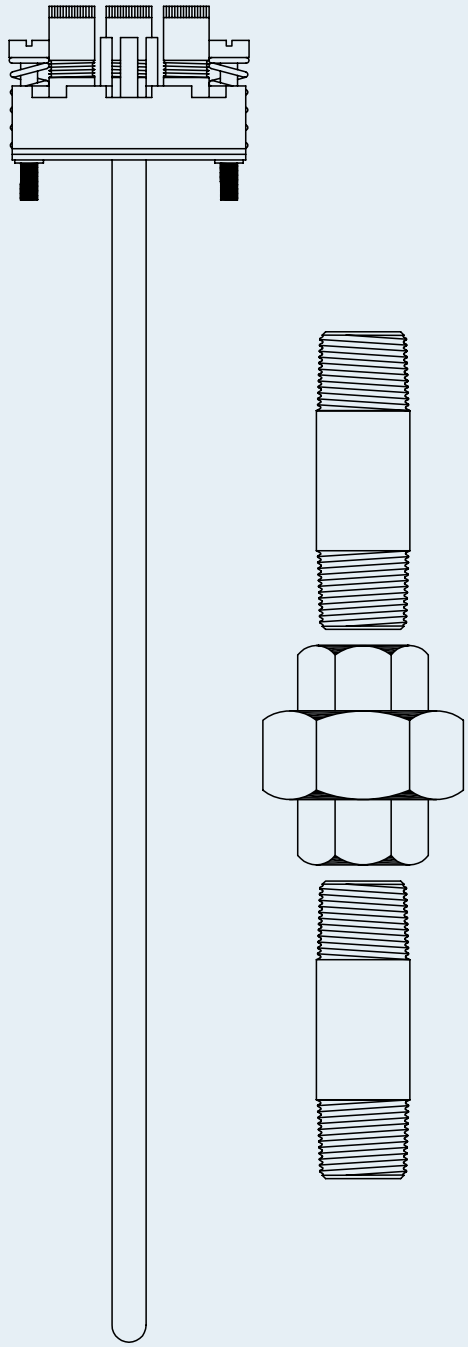
Complying DIN 43760 standard.

APPLICATIONS

- Industries
- Laboratories
- Food sector
- Sanitary sector

SPECIFICATIONS

Sensor tube diameter	3, 4, 6, 8… 15mm
Sensing element	Pt100
Connexions	2, 3 and 4 wires
Accuracy	CLASS A or B (option 1/3, 1/5, 1/6, 1/10 DIN)
Measurement range	-200ºC to +600ºC (option 850ºC)



1.1.5

RSA

CHARACTERISTICS

General use sensor.
Connexion cable 2, 3, 4 or 6 wires of PTFE, PVC, or silicon.
Sheath Ø3, 4, 5, 6 or 8mm in AISI-316 or AISI-304
Anti-vibration protector spring.
Connexion to the process is adjustable using compression fitting, or free insertion without coupling.

Ceramic support, optional transmitter 4…20 mA.

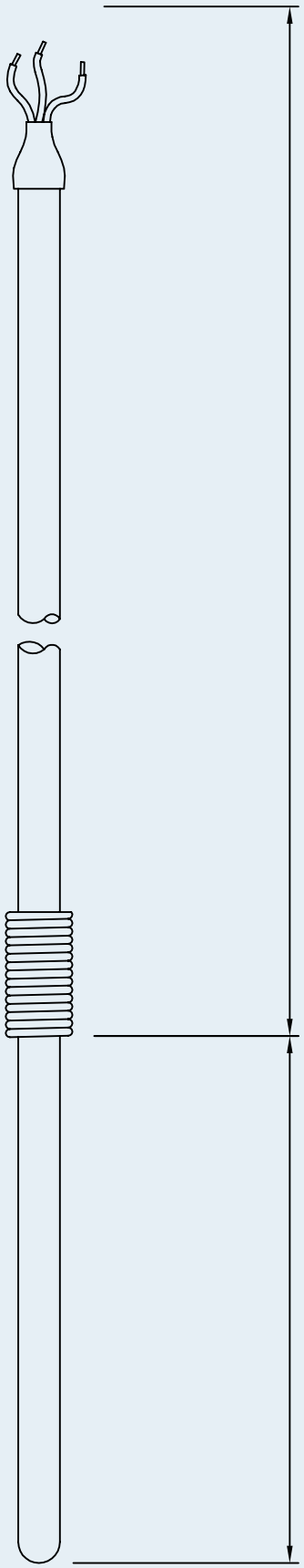
Complying DIN 43760 standard.

APPLICATIONS

- Industries
- Laboratories
- Food sector
- Sanitary sector

SPECIFICATIONS

Sensor tube diameter	3, 4, 6, 8mm
Sensing element	Pt100
Connexions	2, 3 and 4 wires
Accuracy	CLASS A or B (option 1/3, 1/5, 1/6, 1/10 DIN)
Measurement range	-200ºC to +400ºC



1.1.6

RSN

CHARACTERISTICS

General use sensor.
Cable 2, 3, 4 or 6 conductors in PFA, PVC, or silicon.
Sheath Ø3, 4, 5, 6 or 8mm in AISI-316 or AISI-304
Anti-vibration protector spring.
Coupling under protector spring BSP, NPT, METRIC, etc…

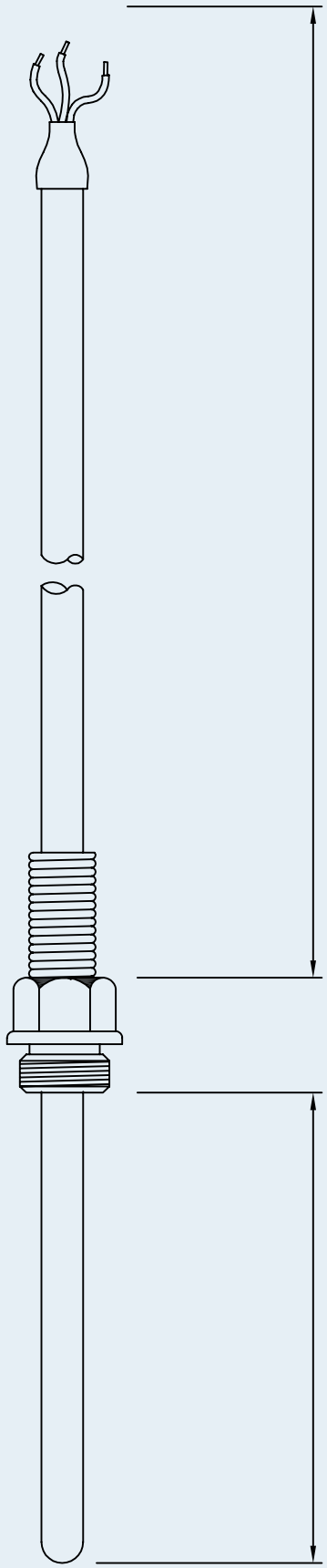
Complying DIN 43760 standard

APPLICATIONS

- Industries
- Laboratories
- Food sector
- Sanitary sector

SPECIFICATIONS

Sensor tube diameter	3, 4, 5, 6 or 8mm
Process connexion	BSP, NPT, METRIC, ETC...
Sensing element	Pt100
Connexions	2, 3 and 4 wires
Accuracy	CLASS A or B (option 1/3, 1/5, 1/6, 1/10 DIN)
Measurement range	-200ºC to +400ºC



1.2.1

RSP

CHARACTERISTICS

Portable sensor to be used in the food sector, designed for autoclaves, frozen, as well as for the measuring of the temperature of liquids and solids.
Sheath Ø3, 4, 5, 6 or 8mm in AISI-316 or AISI-304, with spike end for insertion or plane end for direct contact.
With an Aluminium or PVC handle and a connexion cable of 3 x 0.5mm^2, PFA or silicon insulation.

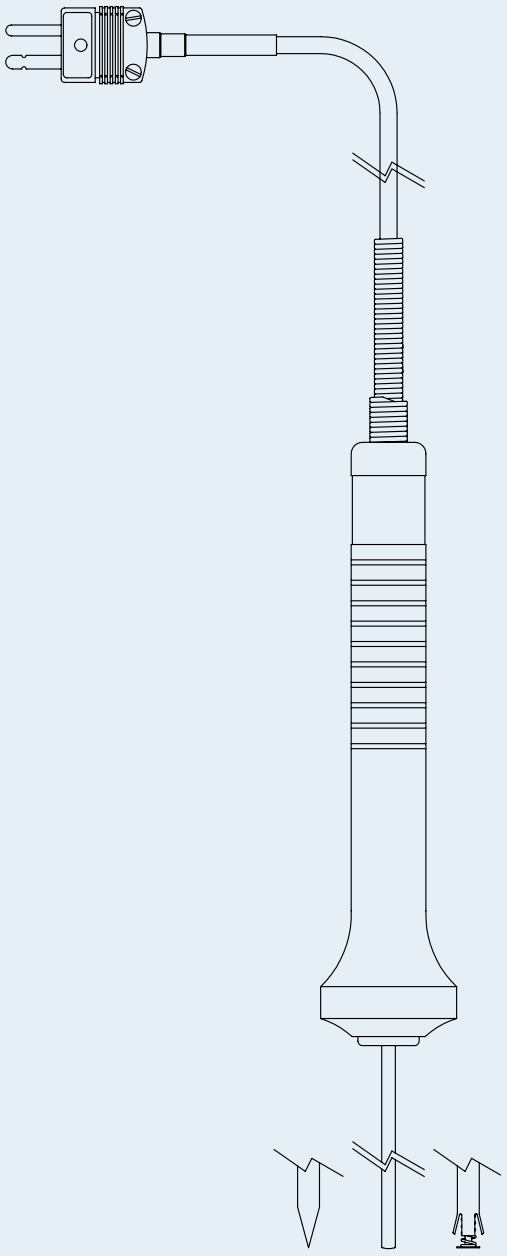
Complying DIN 43760 standard.

APPLICATIONS

- Industries
- Laboratories
- Food sector
- Sanitary sector

SPECIFICATIONS

Sensor tube diameter	3, 4, 5, 6 or 8mm
Sensing element	Pt100
Connexions	2, 3 and 4 wires
Accuracy	CLASS A or B (option 1/3, 1/5, 1/6, 1/10 DIN)
Measurement range	-200ºC to +400ºC



1.3.1

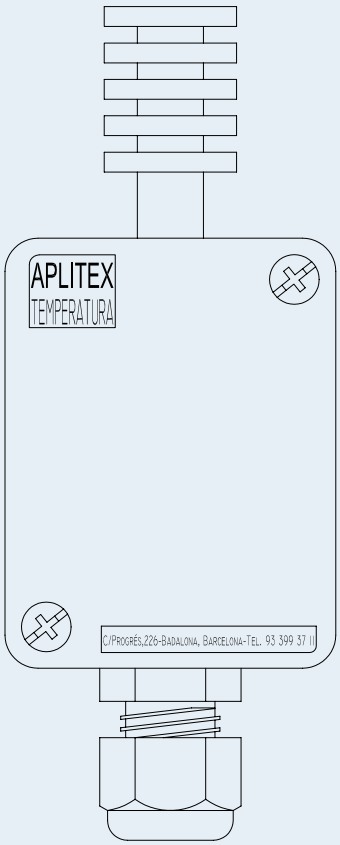
RST

CHARACTERISTICS

Sensor for ambient temperature measurements.
Sheath of nickel-plated brass, Teflon® or stainless steel and connexions head in stainless steel or PVC.

Working temperature range - 50ºC to +200ºC.

Ceramic support, optional transmitter 4…20 mA.



APPLICATIONS

- Chemical industry
- Other industries
- Laboratories
- Air conditioning technology
- Drying places and greenhouses

SPECIFICATIONS

Sensing element	Pt100
Connexion	2, 3 and 4 wires
Accuracy	CLASS A or B (option 1/3, 1/5, 1/6, 1/10 DIN)
Measurement range	-50ºC to +200ºC

1.4

ATEX USE

The thermoresistances were designed and developped to be used in industries with explosion hazard of categories 1 and 2 for gases and powders, meeting the requirements of the 94/9/EC directive (ATEX).

They reach an advanced ATEX certification, not only because of their electronic, but also because of their probe, and that's why they have to be considered as more than "simple elements".

APPLICATIONS

- Industries
- Laboratories
- Food sector
- Sanitary sector

1.1 GENERAL USE
1.1.1 RA
1.1.2 RGN
1.1.3 RGB
1.1.4 RUM
1.1.5 RSA
1.1.6 RSN

1.3 DIRECT CONTACT
1.3.1 RST