

KEY DATA

- Platinum sensing element (Pt100Ω mainly)
- Simple mounting with 2, 3 or 4 wires or duplex mounting
- Manufacture in accordance to DIN 43760 standard (IEC751, BS1904, JIS C1604)
- Sensor with terminal head, with cable connection, with connector or with bayonet
- Wide temperature range (-200°C to +600°C)
- Customised probe lengths and various sheath diameters
- Different types of process connections
- Precision : grade A or B
- ATEX versions for explosive atmospheres available



RTD sensor with cable connection



RTD sensor with terminal head



BENEFITS



- ▣ A process connection type that is fully adaptable to your application
- ▣ Selection of the duct diameter based on the desired response time
- ▣ High accuracy, excellent measurement repeatability



GOOD TO KNOW

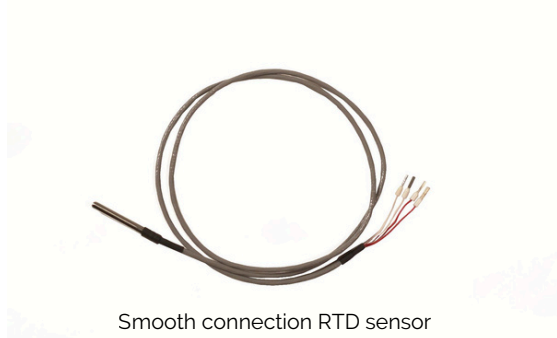
Resistance temperature sensors are more stable than thermocouples and offer better repeatability over long periods of time. However, their temperature range is limited to +600°C, unlike some thermocouples, and their response time is slower.

TECHNICAL CHARACTERISTICS - GENERAL

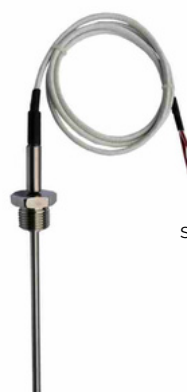
- Measurement scale : +600°C maximum
- Material of the protective sheath for the sensing element: SS 316L, SS 304L, Inconel, others on request
- Insertion sheath diameter: 8 mm maximum
- Effective insertion length: 1500mm maximum depending on the diameter of the sheath
- Electrical mounting: simple with 3 or 4 wires or duplex
- Protection rating: up to IP68
- Possible electrical certification: ATEX Exia intrinsic safety, Exd explosion-proof
- Precision: grade A according to IEC751 / NF EN 60751

TECHNICAL CHARACTERISTICS - SENSOR WITH CABLE CONNECTION

- Cable material: PVC, Teflon, glass fiber
- Cable length: up to 10 m
- Cable termination: stripped and insulated wires, connector
- Process connection: smooth, screw-in, straight push-in, clamp-on, screw hole...



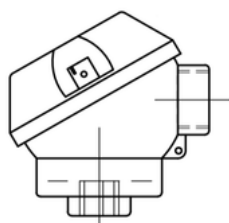
Smooth connection RTD sensor



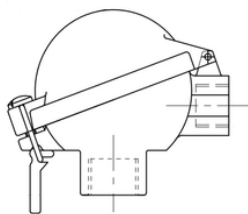
screw-in cable RTD sensor

TECHNICAL CHARACTERISTICS - SENSOR WITH HEAD TERMINAL

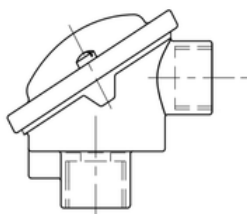
- Head type: MA, DAN, DIN B, BUSH, ADF



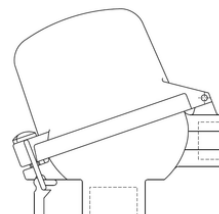
MA head



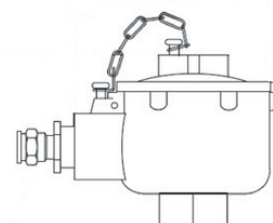
DAN head



DIN B head



BUSH head



ADF head

- Selection of the connection head based on the required protection rating, material, type of cover and electrical connection, and whether ATEX certification is required...
- Electrical connection: stripped and insulated wires, ceramic terminal block, transmitter⁽¹⁾
- Head options: cable gland, display
- Process connection: smooth, under-head screw-in, screw-in extension, screw-in with nipple, screw-in with union fitting / nipples, clamp-on, flanged...
- For direct installation in a pipe or in a thermowell
- Probe option: interchangeable measuring element



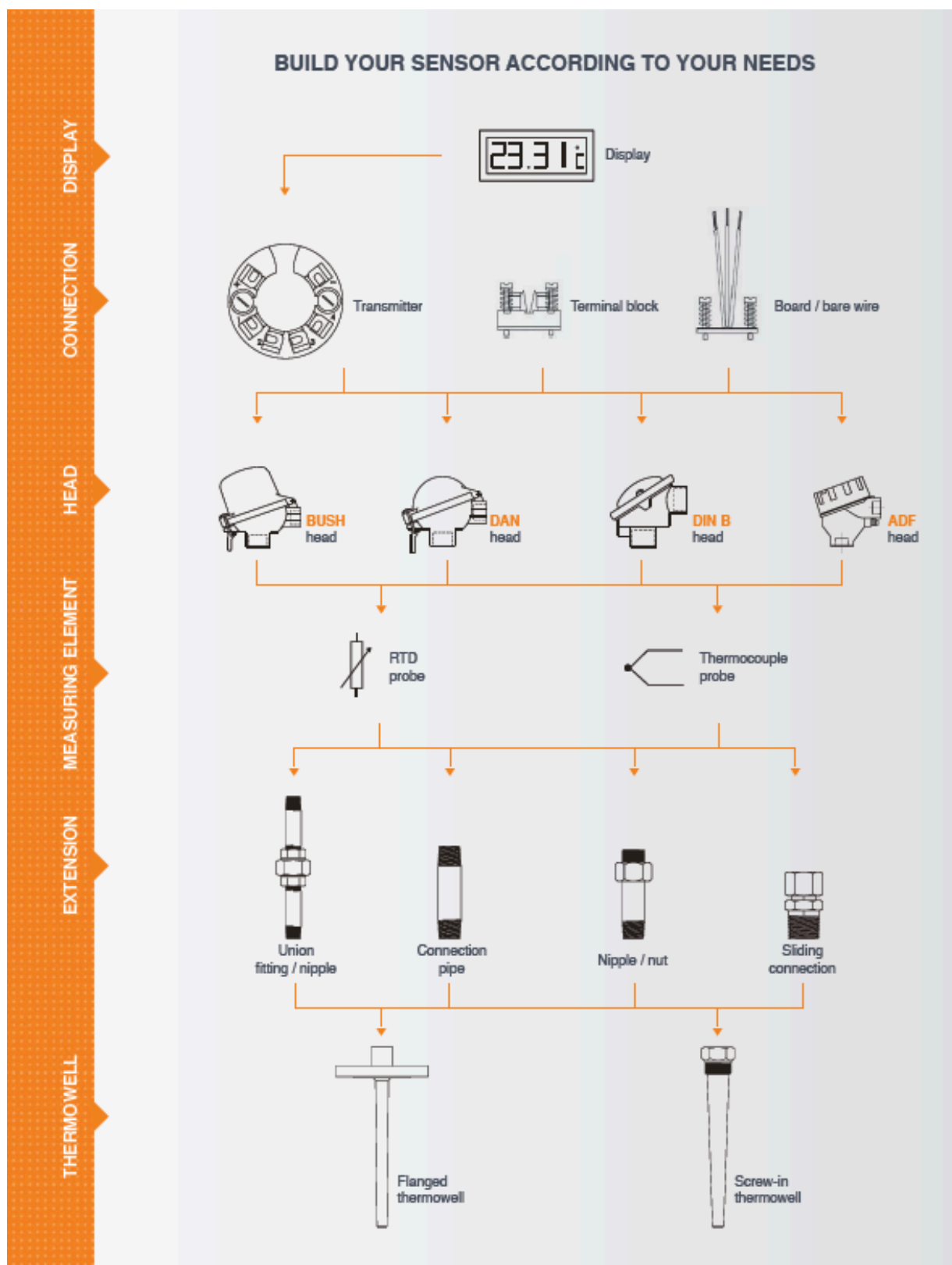
Under-head screw-in RTD sensor with cable gland



Screw-in extension RTD sensor with terminal head and cable gland

⁽¹⁾ The transmitter temperature must not exceed +85°C

CUSTOM-MADE ASSEMBLY OF TEMPERATURE PROBE AND THERMOWELL



ACCESSORIES

For temperature measurement, we offer a comprehensive range of accessories for assembling probes, heads, thermowells, extensions, fittings and connectors.

■ Thermowells



Sensor with thermowell



Range of thermowells, available in screw-in or flanged versions, either machined or tubular

■ Heads



MA, DAN, DIN B, BUSH or ADF head

■ Fittings / nipples



FURTHER INFORMATION

Please do not hesitate to contact us if you require any further information about temperature sensors and their accessories.



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