

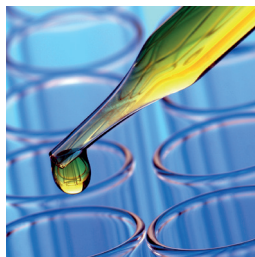
## PROCESS SENSOR WITH THERMOWELL

For measuring temperatures in pipes,  
tanks and leak-free processes, with an  
interchangeable measuring element

- Removal of the sensing element **without leakage**
- Complies with ATEX/ IECEx
- **Large number** of mounting options



Petrochemicals



Chemicals

## ■ Operation

This sensor comprising a thermowell fixed to piping by a flange or boss is fitted with an interchangeable temperature measurement element.

This specific assembly:

- protects the sensing element and extends its life span
- makes it possible to inspect the sensing element for maintenance purposes without stopping the process.

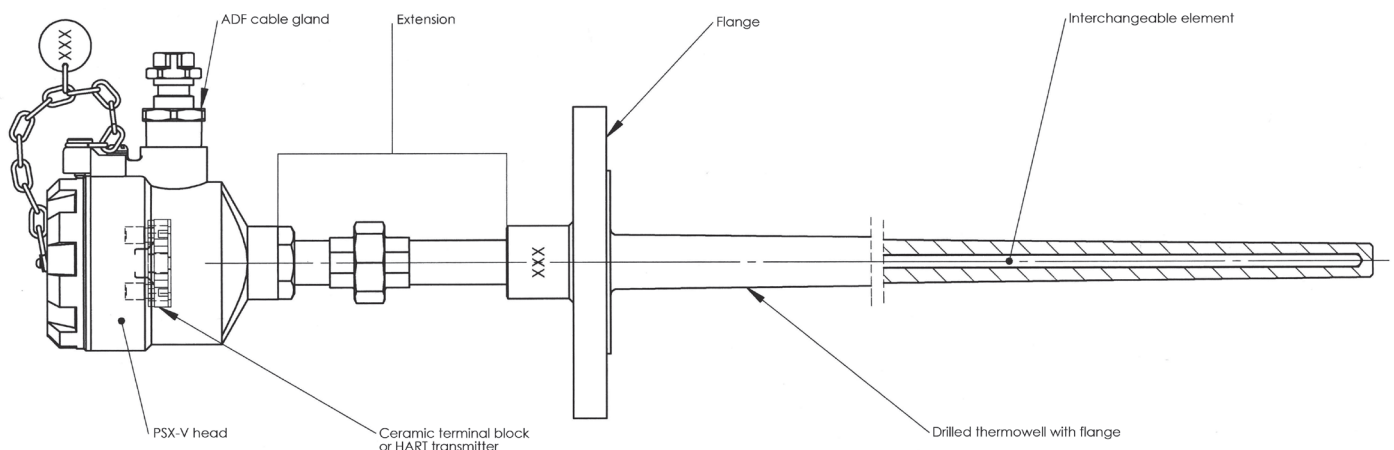
Used in severe environments, this sensor benefits from high-level qualification guaranteeing that the assembly remains totally leak-free.

A large number of assembly options are available. We will be pleased to advise you on the definition of your sensor according to your specifications: mounting element, measuring element, connecting head, extension, thermowell, etc.

## ■ Technical specifications

Measuring element		Pt100 or thermocouple
Operating temperature		Up to 800 °C
Maximum pressure		400 bars
Electrical connection		Ceramic terminal block or transmitter: 4-20 mA output, HART 7 protocol with display (option)
Connecting head	Head	PSX ADF, IP67, light alloy or stainless steel, epoxy paint
	Additional safety protection	Protection EEx «i» or «d»
	Cable gland(s)	ADF
Thermowell	Dimensions	Diameter and length as required, up to 2m drilled from bar stock without welds
	Composition	Choice of possible materials: 304L, 316L, 310, 446, Inconel, HASTELLOY, Pyro HT 200, Teflon or stellite coating, etc.
Sensor mounting		Flange or boss

## ■ Design diagram



## ■ Other mounting options

Specific features: our R&D team can produce tailored temperature sensors according to your specifications. On request, we can provide: calibration certificates, weld penetrant tests and materials certificates.

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