

# TEMPERATURE SENSOR

## Smoke box

**To measure the temperature in an extreme environment**  
**Withstands high temperatures and the high concentration of clinker dust**

- ▶ Temperature withstand up to 1,300°C
- ▶ Resistant to shocks and vibrations
- ▶ Sensor configurable to meet your needs



# Design your sensor to fit your requirements

## Technical specifications

### ▶ Connecting head

IP 54 to IP65 DIN head with cable gland M20 x 1.5

### ▶ Electrical connection

Possible versions
2-terminal or 4-terminal ceramic terminal block
4-20 mA transmitter

### ▶ Measuring element

Possible versions		
Nature	Sheath	Temperature range
K thermocouple	Inconel 600	600°C to 1,100°C
S thermocouple	Insulator 710 + lining sheath	from 1,100°C




### ▶ Extension

Possible versions
316L stainless-steel sleeve
Refractory steel sleeve

### ▶ Sensor protector

Possible versions			
Material	Atmosphere	Operating temperature	Dimensions
Chromium steel	Oxidizing or sulphurous	800°C - 1,100°C	L1 ≥ 500 mm Ø D: 20 to 45 mm
Inconel Alloy	Sulphurous or carburizing, corrosive	1,100°C - 1,300°C	L1 ≥ 500 mm Ø D: 20 to 45 mm

### ▶ Process connection

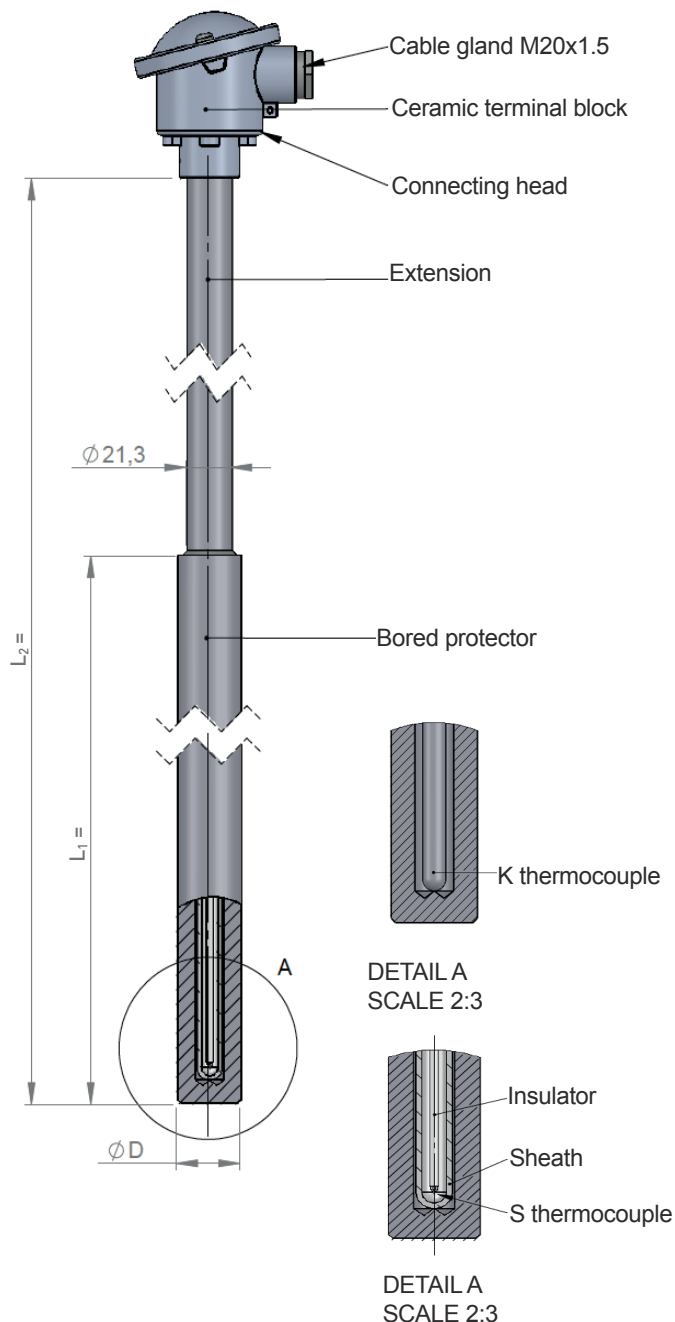
Possible versions	
Bell connector	
EBA flange	
Leakproof screw-on connection	

Other mounting systems: please contact us

## Other specifications

Specific features: our R&D department can produce tailored temperature sensors according to your specifications.

## Design diagram



Contact us

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