

Thermocouple assembly A

with interchangeable measuring insert

Data sheet 1301

Application

- Measurement of temperature in ducts and furnaces with air and flue gasses
- The operating range is up to 800°C in the low-pressure range
- Fields of application
- Power plants
- Incinerators
- Chemical process engineering

Technical features

- Thermocouple type J, K and N acc. to IEC-584-1
- Built acc. to DIN 43764
- Connected to the process by adjustable flange or compression fittings
- The measuring insert can be exchanged or calibrated without closing down the process
- Protective tube in stainless and acid proof steel
- Modular design and standard length minimize the necessary number of spares
- Optionally, can be supplied with head mounted transmitter

Ordering

Special:

The requested sensor is selected from the table below The colour code means:

Standard: Built of standard modules (short delivery time)

Variant: Modified standard modules

Special versions and material. We are specialist in temperature measurement. Please contact us and we will do our best to solve your specific measuring task





TECHNICAL DATA



FIDIECTIVE TUDE	Response une in seconds (guidelines)			
Diameter	In water @ 0.4m/sec.		In air @ 3m/sec.	
	t 0.5	t 0.9	t 0.5	t 0.9
15	26	80	115	350

Connection diagram



The 0.5/0.9 time is the time that it takes the sensor to reach 50%/90% of the final value of a temperature change of a medium. If media and velocity are different from the ones stated, the time can change significantly.