

Thermocouple assembly UST 1

Data sheet 1801

for exhaust gasses

FRODE PEDERSEN

Application

- Measurement of exhaust temperature in ships- and stationary diesel engines
- The operating range is up to 800°C in gaseous media
- · Fields of application
- Diesel engines
- Generators
- Marine sector

Technical features

- Thermocouple type K acc. to IEC 584-1
- Solid construction with high resistance against vibration acc. to IEC 68-2-6
- The thermocouple is electrical insulated from the protective tube
- Type approved by classification societies (see page 2)
- Connected to the process by adjustable compression fittings

Ordering

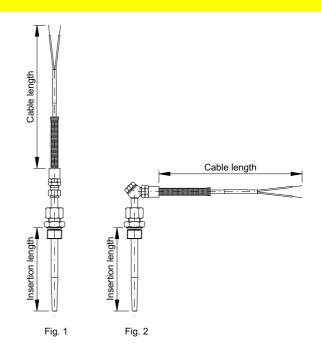
Please select the requested sensor from the table below The colour code means:

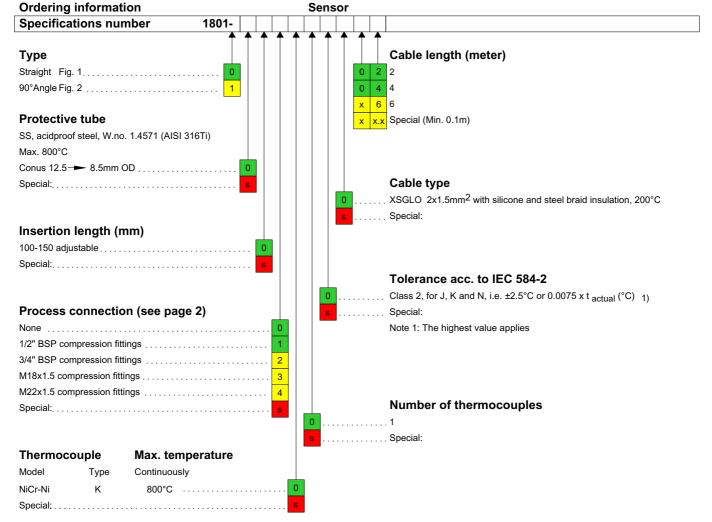
Standard: Built of standard modules (short delivery time)

Variant: Modified standard modules

Speciel: Special versions and material. We are specialists in temperature measurement. Please contact us and we shall

do our utmost to solve your specific measuring tasks





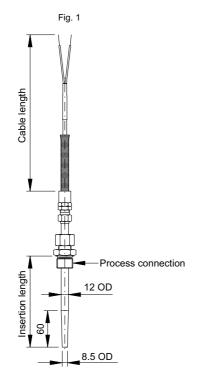
Accessories	Customer information
	Name:
	Tel.:

TECHNICAL DATA

All dimensions in mm

Fig. 2

Dimensions



Cable length

Process connection

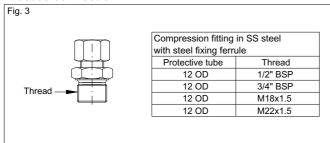
12 OD

8.5 OD

Compensating cable

XSGLO 2x1,5 mm ², insulated with silicone, glass fiber and outer steel braid

Process connection



Response time

response unie			
Protective tube	Response time acc. to representative measurement		
	Temp. changed from (immersed in water)		
	t _{0.5}	t _{0.9}	
12 OD	15	45	

Noto:

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

of a medium.

If media and velocity are different from the ones stated, the time can change significantly.

Type Approvals

- Lloyd's Register of Shipping	
- Det Norske Veritas	

Connection diagram

