

## Thermocouple Probe TCP-NF

This sensor is designed to measure exhaust gas temperatures up to 1,100 °C.

Thermocouples are temperature sensors, which supply a temperature corresponding voltage, due to its thermoelectric behaviour, without any additional external energy. The mantle thermocouple has a metal mantle which includes two inner wires made of thermoelectric material (NiCr-Ni). The wires are isolated. The voltage will be amplified by an integrated electronic, which is powered by 12 V and supplies an output signal from 0 ... 5 V.

The main feature and benefit of this sensor is the combination of high quality production part, robust design and the integrated amplifier.



Application	
Application	-40 ... 1,100 °C
Usage temperature range	-40 ... 115 °C
Max. vibration	800 m/s <sup>2</sup> @ 5... 500 Hz

  

Electrical Data	
Supply voltage U <sub>s</sub>	12 V
Full scale output	0.5 ... 4.5 V

Mechanical Data	
Male thread	M12x1
Wrench size	17 mm
Installation torque	45 Nm
Weight with wire	110 g
Length	630 mm

