

INDUSTRIAL PROBES FOR FOOD-, BEVERAGE- AND PHARMA INDUSTRY

**GTL ...**

Probes according to customer specification

Specifications:	
Measuring range:	-40 ... +200 °C (depending on probe construction)
Sensor:	Pt 100
Process connection:	M12 / G1/2" / without thread
Probe head:	probe head Ø 59 mm probe head Ø 18 mm Long (with transmitter) probe head Ø 18 mm Short (without transmitter)
Material:	sensor head: V2A, protection tube and peak: V4A
Probe length:	50, 100, 150, 250 or according to customer specification (in mm)
Diameter:	Ø 6 mm without contraction Ø 4 mm without contraction Ø 6 mm with offset probe peak Ø 3 mm
Response Time:	Ø 6 mm: $T_{90} \leq 8.0$ s Ø 4 mm: $T_{90} \leq 6.5$ s Ø 3 mm: $T_{90} \leq 1.5$ s
Protection class:	IP69K / IP67

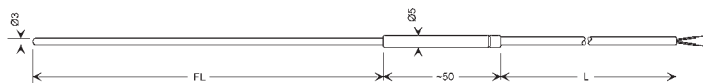
Option:

- Neck tube
- Electr. connection:
fixed cable (PG) or M12-plug
- Transmitter
- Higher accuracy (1/3 DIN cl. B or 1/10 DIN cl. B)
- Display of temperature

In casw of interest, please ask for the **GHM** industrial probes brochure
or www.ghm-messtechnik.de

NICRSI-NISI (TYPE N) - MEASURING PROBE (CLASS 1)

HIGH TEMPERATURES
COST-EFFICIENT MEASUREMENTS

**GTF101-N03250**

Product-ID: 602770

-50 ... +1300 °C, (short-term up to 1330 °C), FL = 250 mm

GTF101-N03500

Product-ID: 602771

as above, but FL = 500 mm

GTF101-N031000

Product-ID: 602772

as above, but FL = 1000 mm

General:**Measuring probe Ø 3 mm**

Mantle material: nickel-chromium-based stainless steel with extraordinary resistivity against oxidation at high temperatures and excellent corrosion resistance in chlorine and ammoniacal environments. A protective layer emerges at temperatures of approx. 980 °C and provides improved accuracy compared to other mantle materials.
The temperature can be applied to high temperatures for a longer period without noteworthy drift. The K-effect (near-order effect) is much smaller for type N thermocouples than for type K thermocouples.

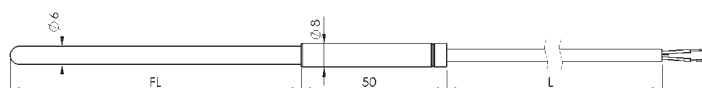
Application:

temperature measurement of exhaust fumes

Specifications:

Response time T_{90} :	approx. 5 s
Probe tube:	nickel-chromium-based stainless steel Ø 3 mm
Cable:	1 m silicone cable, loose ends

HIGH TEMPERATURES (PERMANENTLY UP TO 1300 °C)
COST-EFFICIENT MEASUREMENTS

**GTF101-N06250**

Product-ID: 602769

-50 ... +1300 °C, (short-term up to 1330 °C), FL = 250 mm;
more robust design with thicker protective cover

GTF101-N06500

Product-ID: 607634

as above, but FL = 500 mm

GTF101-N061000

Product-ID: 607635

as above, but FL = 1000 mm

General:**Measuring probe Ø 6 mm**

Probe for permanently high temperatures, other data as probe Ø 3 mm

Specifications:

Response time T_{90} :	approx. 10 s
Probe tube:	nickel-chromium-based stainless steel Ø 6 mm
Cable:	1 m silicone cable, loose ends