Ordering information for GTF 103-Ex ... probes

GTF 103-Ex- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ][ ][ ] [ ] [ ][ ][ ][ ] [ ] [ ][ ] **/ MB:** [ ]

Normalized signal:
- O without normalizid signal output
- G with normalized signal output: 4-20 mA

Sensor-element:
- P Pt100
- S Pt1000
- T Thermocouple type K
- U Thermocouple type N

Screw thread:
- J with screw thread
- N without screw thread *(only for zone 1, 2, 21 and 22)*

Neck tube:
- K without neck tube (for T ≤ 100 °C)
- M with neck tube (for T > 100 °C)

Ambient temperature:
- A Standard
  - zone 0, 20: -20 °C ... +40 °C
  - zone 0/1, 1, 2, 20/21, 21, 22: -20 °C ... +50 °C (with norm. signal output)
  - zone 0/1, 1, 2, 20/21, 21, 22: -20 °C ... +60 °C (without norm. signal output)
- H Higher ambient temperature
  - zone 0, 20: -20 °C ... +60 °C
  - zone 0/1, 1, 2, 20/21, 21, 22: -20 °C ... +80 °C (without norm. signal output)

only for protection type intrinsic safety "i"
only available for GTF 103-Ex-O... types (= without norm. Signal output)

Kind of screw thread:
- 0 without thread
- 1 G-screw thread (cylindric)
- 2 M-screw thread (metric)

other screw thread on request

Size of screw thread:
- 0 without tread
- 1 1/8"
- 2 1/4"
- 3 3/8"
- 4 1/2"
- 5 3/4"

G-screw thread

- 6 8x1
- 7 10x1
- 8 14x1

M-screw thread

Hint:
in the zones 0, 0/1, 20 or 20/21 only G 3/8", G 1/2" or G 3/4" are avialable.

Neck-tube length:
- xxx length in mm
  e.g. 050 (= 50 mm = standard length)

Probe-tube diameter:
- x 3, 4, 5, 6 or 8 mm

Hints:
- for zone 0, 0/1, 20 and 20/21 only 6 mm or 8 mm available
- observe for D = 3 mm (only for Pt100 or Pt1000 available):
  - minimum length is 60 mm
  - the probe diameter is reduced, tube top D = 3 mm (for approx. 30 mm) after this D = 6 mm
  - the measuring insert is not changeable

Probe length:
- xxxx length in mm
  e.g. 0100 (= 100 mm)

Protection type:
- e Gases: increased safety (e) - only permitted in zone 1 and 2
  Dusts: protection by enclosure (tD) - only permitted in zone 21 and 22
- i intrinic safety

Hint: increased safety: in case the connected device is beyond the explosion hazardous area, this device does not need an Ex-certification. *(take a note to the safety advice !)*

Potentially explosive atmospheres:

Gases:
- 00 zone 0
- 0A zone 0/1 - probe-tube in zone 0 and probe head in zone 1
- 01 zone 1
- 02 zone 2

Dusts:
- 20 zone 20
- 2A zone 20/21 - probe-tube in zone 20 and probe head in zone 21
- 21 zone 21
- 22 zone 22

Measuring range:
- xxx measuring range of the probe
  e.g. -50 ... +100 °C

Ordering-example: **GTF 103-Ex** with 4-20 mA signal, Pt100, with screw thread, medium temperature: >100 °C, ambient temperature: 40 °C, kind of screw thread: G-screw thread, size: 1/2", neck-tube length: 50 mm, probe-diameter: 6 mm, probe-length 200 mm, protection type "i", zone 0, measuring range: -50 to +100 °C

GTF 103-Ex- [G] [P] [J] [M] [A] [1] [4] [0][5][0] [6] [0][2][0][0] [i] [0][0] **/ MB:** [-50 ... +100 °C]

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