Ordering information for GTF 102-Ex ... probes

GTF 102-Ex- [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] **/ MB:** [ ]

Sensor-element:

P	Pt100
S	Pt1000
T	Thermocouple type K
U	Thermocouple type N

Neck tube:

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

Ambient temperature:

A	Standard -20 °C ... +60 °C
H	Higher ambient temperature -20 °C ... +80 °C

only for protection type intrinsic safety "i"

Kind of screw thread:

1	G-screw thread (cylindric)
2	M-screw thread (metric)

other screw thread on request

Size of screw thread:

1	1/8"	G-screw thread
2	1/4"	
3	3/8"	
4	1/2"	
5	3/4"	
6	8x1	M-screw thread
7	10x1	
8	14x1	

Hint:
in the zones 0/1 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 0/1 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

Probe length:

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

Cable length: (4-wire)

x length in m
e.g. 1 (= 1 m)

Protection type:

e	gas: increased safety, encapsulation (em) - only permitted in zone 1 and 2
	dust: encapsulation (mbD) - only permitted in zone 21 and 22
i	intrinic safety
	Hint: increased safety ("em"): 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:

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

Dusts:

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

Note:
The probe can not be used completely in zone 0 or zone 20!

Measuring range:

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

Ordering-example: **GTF 102-Ex** with Pt100, medium temperature: >100 °C, ambient temperature: 60 °C,
kind of screw thread: G-screw thread, size: 1/2", neck-tube length: 50 mm, probe-diameter: 6 mm, probe-length 200 mm, cable length: 3 m,
protection type "i", zone 1, measuring range: -50 to +100 °C

GTF 102-Ex- [G][M][A][1][4][0][5][0][6][0][2][0][0][3][i][0][1] **/ MB:** [-50 ... +100 °C]

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