8.2 Ordering code for GTF 102-Ex-... probes

Ordering information for GTF 102-Ex ... Probes

GTF 102-Ex- [ ] [ ][ ] [ ] [ ][ ] [ ] [ ][ ][ ] [ ] [ ][ ][ ][ ] [ ] [ ]

Protection type:

e	Gas: increased safety, encapsulation (em) - only permitted for zone 1 and 2 Dust: encapsulation (mb) - only permitted for zone 21 and 22
i	intrinsic safety

Potentially explosive atmospheres:

Gases:		
00	zone 0	
0A	zone 0/1	probe tube in zone 0 and cable sleeve in zone 1
01	zone 1 and zone 2	
Dusts:		
20	zone 20	
2A	zone 20/21	probe tube in zone 20 and cable sleeve in zone 21
21	zone 21 and zone 22	

Sensor-element:

P	Pt100
T	Pt1000
K	Thermocouple type K

Size of screw thread:		***Comment***
00	without thread	*not suitable for zone isolation !*
11	G 1/8"	*not suitable for zone isolation !*
12	G 1/4"	*only with D = 6 mm suitable for zone isolation !*
13	G 3/8"	G-screw thread
14	G 1/2"	
15	G 3/4"	
22	M10x1	*not suitable for zone isolation !*
23	M12x1.5	*only with D = 6 mm suitable for zone isolation !*
24	M14x1.5	M-screw thread
25	M16x1.5	
26	M18x1.5	

other threads (e.g. NPT) on request

Neck tube:

K	without neck tube (for T ≤ 100 °C)
M	with neck tube (for T > 100 °C - please refer to note below)

Neck tube length:

xxx	length in mm
	e.g. 050 (= standard length)

Probe tube diameter:

x	3, 4, 5, 6 or 8 mm

Hint:
- for zone 0/1, 20/21 (= zone isolation) only 6 mm or 8 mm available
- observe for D = 3 mm:
  - minimum probe 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 (fitting length):

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

Cable length: (4-wire)

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

Cable type:

S	silicone cable	
P	PVC cable	*(only available for sensor = Pt100 / Pt1000)*
T	teflon cable	*(only available for sensor = Pt100 / Pt1000)*

Notify for ambient temperature:

intrinsic safety type	
zone 0, 20:	-20 °C ... +60 °C
zone 0/1, 1, 2:	-20 °C ... +80 °C
zone 20/21, 21, 22:	-20 °C ... +80 °C
type with increased safety	
zone 1, 2, 21, 22:	-20 °C ... +60 °C

Recommended min. neck tube length according max. meas. range:

Neck tube construction:	measuring range: Pt 100 a. type K	Pt 1000
- without neck tube	-200 ... +100 °C	-70 ... +100 °C
- neck tube above 50 mm	-200 ... +250 °C	-70 ... +250 °C
- neck tube above 100 mm	-200 ... +400 °C	-70 ... +400 °C
- neck tube above 200 mm	-200 ... +600 °C	-70 ... +600 °C

For reference only! The length should be selected so that the max. specified ambient temperature of the cable sleeve is not exceeded in your installation situation.

Ordering example: **GTF 102-Ex** for protection type "i", Ex-zone 1, with Pt100, thread: G 1/2", neck tube length: 50 mm, probe diameter: 6 mm, probe length: 200 mm, cable length: 3 m, silicone cable

GTF 102-Ex- [i] [01] [P] [16] [M] [050] [6] [0200] [3] [S]

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