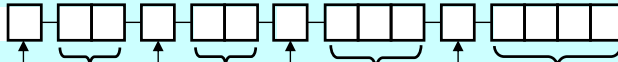


Ordering information for GTF 112-Ex ... Probes

GTF 112-Ex-



Protection type:
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

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

Neck tube:
K without neck tube (for -50 °C ≤ T ≤ 100 °C)
M with neck tube (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)

Notify for ambient temperature:
intrinsic safety type
zone 0, 20: -20 °C ... +60 °C
zone 0/1, 1, 2: -20 °C ... +80 °C (+60 °C bei T6)
zone 20/21, 21, 22: -20 °C ... +80 °C (+60 °C bei T<100°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 Pt 1000
- without neck tube -250 ... +100 °C -50 ... +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 112-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

GTF 112-Ex- i 01 P 16 M 050 6 0200