

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 !

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 -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

0

1

P

1

6

M

0

5

0

6

0

2

0

0

0

0