



Installation instructions
Clamp adapter 1-1.5“
for sensors with G1 male sealing cone
E33602

UK

1 Functions and features

The clamp adapter 1-1.5" can be used together with O-ring sealing and leakage port for applications under hygienic conditions to 3A.



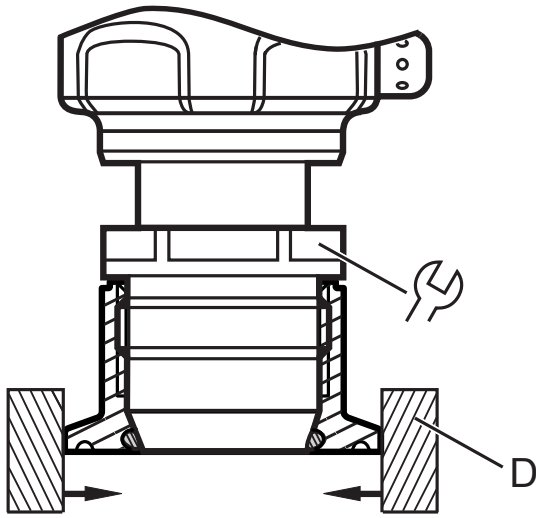
Clamps and clamp seals are usually designed for a pressure level of PN16. At plant pressures above this pressure level:

- Adapt accessories (→ 3 Foreseeable misuse)

2 Installation procedure

2.1 Sensor – adapter

	<ul style="list-style-type: none">► Lightly grease the thread of the sensor using a lubricating paste (A). The paste must be suitable and approved for the respective application.► Place the sealing ring (B) in the groove (C) of the adapter.► If necessary, check O-rings and lubricating paste for the application requirements and adapt.
	<ul style="list-style-type: none">► Screw the sensor into the adapter until it is hand-tight. When doing so, avoid mechanical effects on the sealing areas, the hygienic area and the pressure measuring cell.



- ▶ Clamp the sensor and adapter into a clamping device (D) and only tighten slightly so that the adapter is not deformed.
- ▶ Tighten the sensor using a spanner until you can feel the end stop.
- > This corresponds to a maximum tightening torque of 35 Nm.

!

Overtightening may affect the sealing effect.

UK

The adapter is supplied with an EPDM O-ring and an FKM O-ring.
More sealing rings are available as accessories: → www.ifm.com.

2.2 Installation on the process connection

Install the clamp adapter with attached sensor to the counterpart on the plant by means of the fixing components clamp and seal.

! For EHEDG-compliant connection, use a self-centring sealing with defined end stop (→ EHEDG requirements).

! Observe 3A compliant connection. If the interface from sensor to adapter is equipped with an EPDM O-ring (E30054) a limitation to Class II according to 3A Sanitary Standard number 18-03 must be observed (121°C = 250°F). The Viton O-ring (E30123) meets Class I requirements (149°C = 300°F).

3 Foreseeable misuse

The pressure rating of the ifm adapter is indicated as 100 bar.

! Common clamp adapters and elastomer seals are not designed for plant pressures above PN16.

With plant pressures of >16 bar to max. 100 bar:

- ▶ Select suppliers with suitable components (check technical data).
- ▶ Make sure that the clamp and the clamp seal correspond to the pressure range (special parts: not available in the ifm product range).

ifm does not assume any liability for the connection of the adapter to installations with operating pressures > 16 bar. If required, contact the ifm specialists.

More information at www.ifm.com