Technical Information
TI 310C/07/en/12.03
51507520

Flow assembly for the measurement of dissolved oxygen
FlowFit W COA 260

Plate or wall mounting assembly for the determination of dissolved oxygen traces

Application
The COA 260 flow assembly has been specially developed for use with the oxygen trace membrane sensor OxyMax W OOS 71.
Due to its dimensions and materials, it is particularly suitable for processes where there is a minimal concentration of dissolved oxygen, e.g. for monitoring boiler feed water in power plants.

Your benefits

- Easy plate or wall mounting by clip holder
- Automatic deaeration via inlet and outlet orientation
- Fast sensor response time
- Easy removal of the sensor for calibration on air
- All medium contacting parts made of stainless steel 1.4435 (AISI 316 L)

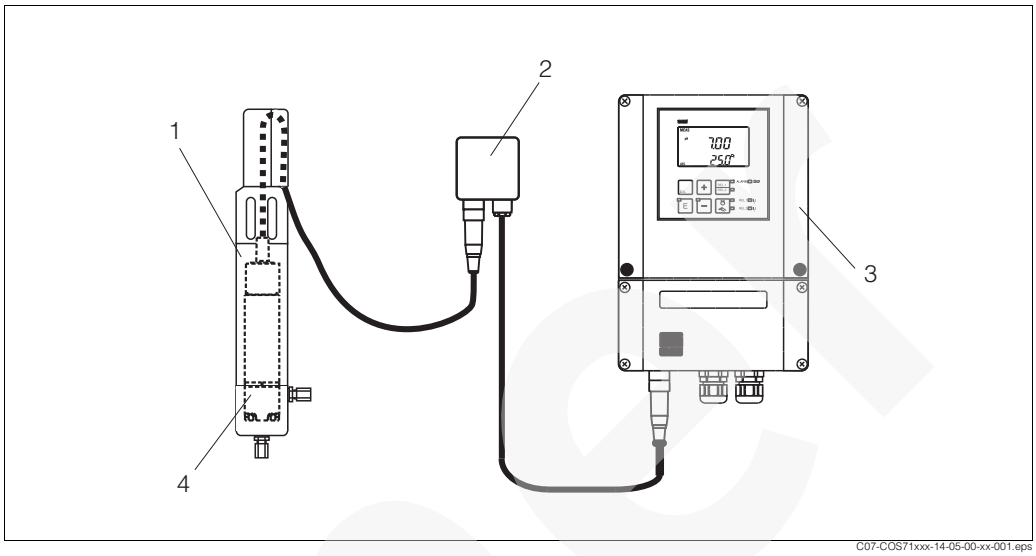
ISO 9001

Function and system design

Measuring system

A complete measuring system comprises:
- a FlowFit W COA 260 flow assembly
- an OxyMax W OOS 71 oxygen sensor
- a Liquisys M OOM 223/253-WX/WS transmitter

Optionally, the VS junction box can be used for cable extension.

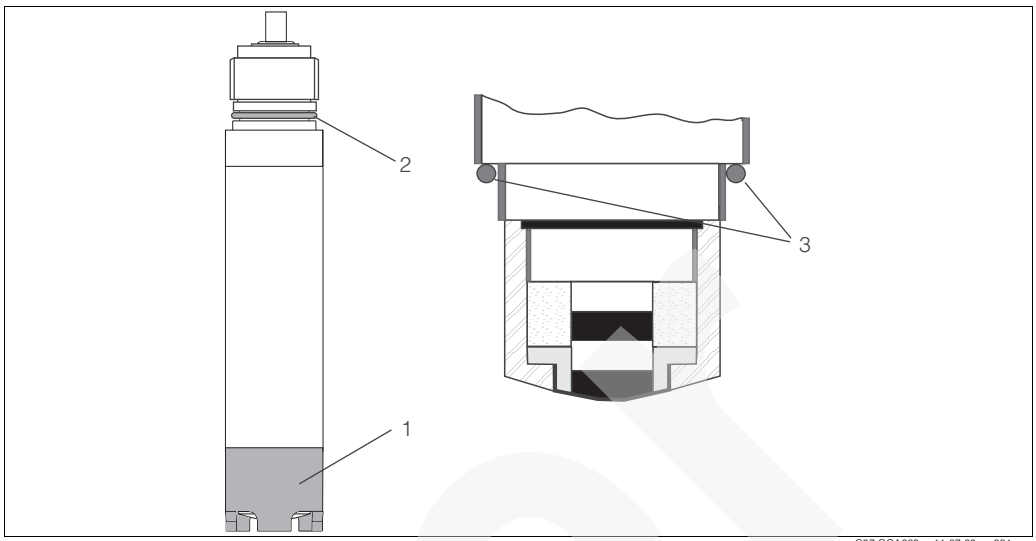


Measuring system example

1 FlowFit W COA 260 flow assembly
2 VS junction box (only if cable extension is required)
3 Liquisys M OOM 223/253-WX/WS transmitter
4 OOS 71 oxygen sensor

Installation

Preparing OOS 71 for installation in the COA 260 assembly

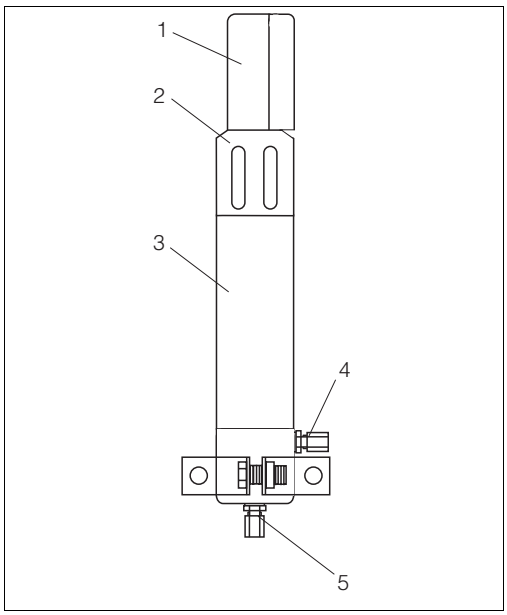


Preparation of the OOS 71 installation

1 Protection basket
2 O-Ring at the cable insert
3 O-Ring at the sensor head

1. Remove the O-ring at the cable insert (pos. 2). It is not required when installing the OOS 71 sensor in the COA 260 flow assembly.
2. Remove the protection basket (pos. 1).
3. Fit the supplied O-ring as shown in the figure above (pos. 3).

Installing OOS 71 in the COA 260 assembly



1. Protective cap
2. Pressing screw
3. Intermediary
4. Medium outlet
5. Medium inlet

1. Remove the protective cap and the pressing screw (pos. 1 and 2).
2. Insert the sensor into the assembly. Make sure that the O-ring is seated on the sealing surface of the assembly.
3. Insert the sensor cable into the lateral slot of the pressing screw.
4. Keep the cable straight and tighten the pressing screw.
5. Place the protective cap upon the pressing screw.

Removing OOS 71

1. Remove the protective cap.
2. Keep the cable straight and unscrew the pressing screw.
3. Remove the sensor.

Note!
When reinstalling the sensor, make sure that the O-ring is still functional.

Medium inlet

Use the bottom fitting for the medium inlet (pos. 5).

Environment

Ambient temperature

Ambient temperature not below 0 °C (32 °F).

Process

Process pressure

max. 10 bar at 50 °C / 145 psi at 122 °F

Process temperature

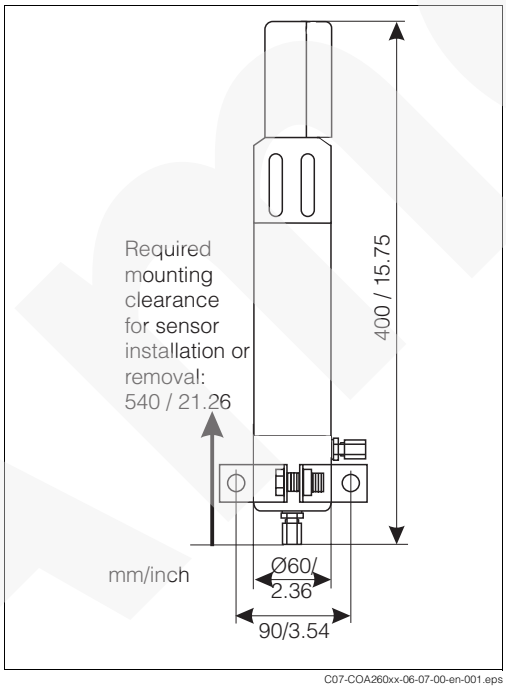
max. 50 °C (122 °F)

Flow rate

min. 200 ml/min
max. 600 ml/min

Mechanical construction

Design, dimensions



Weight

approx. 2 kg (4.4 lb)

Materials

Flow vessel	stainless steel 1.4435 (AISI 316L)
Intermediary	PVC
Pressing screw	PVC
Protective cap	PA
Sealing ring	EPDM

Process connection

Pipe connection 6 mm (0.24") outer diameter

Connection parts

Threaded joint with screw fitting
G 1/8 threaded connection

Ordering information

Product structure

	Version
A	Material: stainless steel 1.4435 (AISI 316L), for COS 71

		Process connection
	0	Process connection: for pipe 6 mm (0.24") outer diameter

COA 260-							complete order code

Scope of delivery

The scope of delivery includes:
- 1 FlowFit W COA 260 flow assembly with clip holder and pressing screw
- 1 Protective cap
- 1 O-ring, inner diameter 32.92 mm (1.30"), thickness 3.53 mm (0.14")
- Technical Information TI 310C/07/en

Accessories

❑ Kit COA 260, O-ring 32.92 x 3.53 mm (1.30" x 0.14"), EPDM, packed in storage bag; order no. 51512460

Documentation

❑ Liquisys M OOM 223/253, Technical Information TI 199C/07/en; order no. 51500281
❑ OxyMax W OOS 71, Technical Information TI 286C/07/en; order no. 51506697