



Removing O₂

Zero point adjustment

The **O₂-Catalyst NGO2** is made for the removal of oxygen traces in inert gas flows. The device enables zero point adjustment.

In order to achieve the best removal of O₂ the flow (up to 100 l/h) and O₂ concentration ≤ 0.4 Vol.% O₂ must be observed.

The main field of application of the NGO2 is zero point adjustment of O₂- measuring devices with a ppm measuring range.

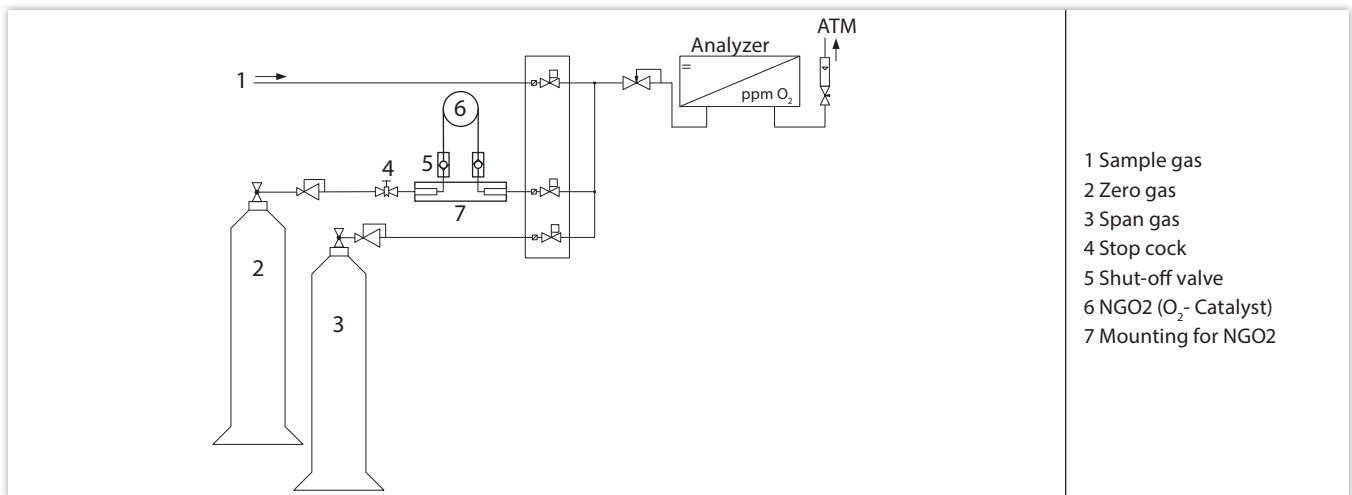


Digital form at:
www.cgs-company.de/downloads/MDZ_E_D_NGO2.pdf

Technical data

• Max. operating temperature:	-5°C to +40°C	• Durability:	dep. on O ₂ - content
• Max. gas flow (recommended):	100 l / h	• Material:	Housing: stainless steel
• Max. internal pressure (housing):	1,5 bar		Filling: contact material G-134 RS
• Pressure drop at 60 l / h:	ca. 0,4 bar	• Filling quantity:	4 g
• Gas connections: NGO2:	6 mm	• Weight:	O ₂ - Catalyst: 110 g
	Mounting: 3 mm		Mounting: 154 g
• Gases:	N ₂ , Ar	• Measurements (W x H x D):	150 x 186 x 40 mm
• Total O ₂ - binding capacity:	50 cm ³ O ₂		incl. mounting for NGO2

Application example



Setup & function

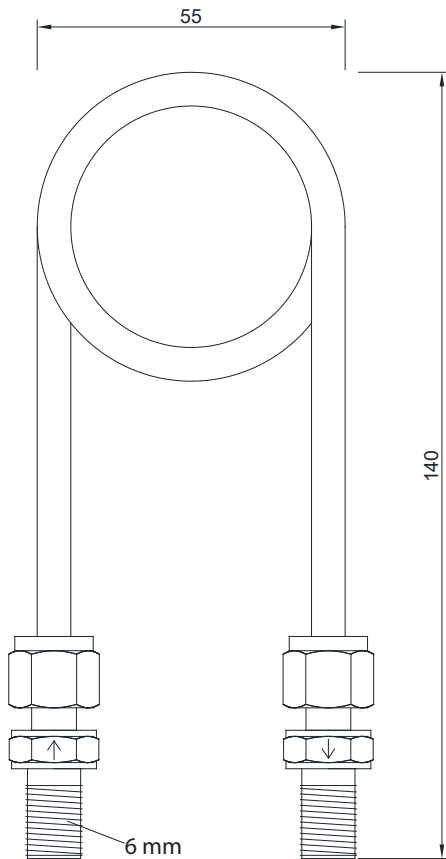
The zero gas will be led from the gas bottle (2) through a pressure regulator where it receives the required pressure. The gas flows through a stop cock (4) installed for assembly and disassembly of the NGO2, and a shut-off valve (5) into the catalyst (6) and will be led through the contact material. The catalyst is contained in a stainless steel tube. The outgoing gas flows with an O₂- concentration < 20 ppb through a solenoid valve to the analyzer.

General information

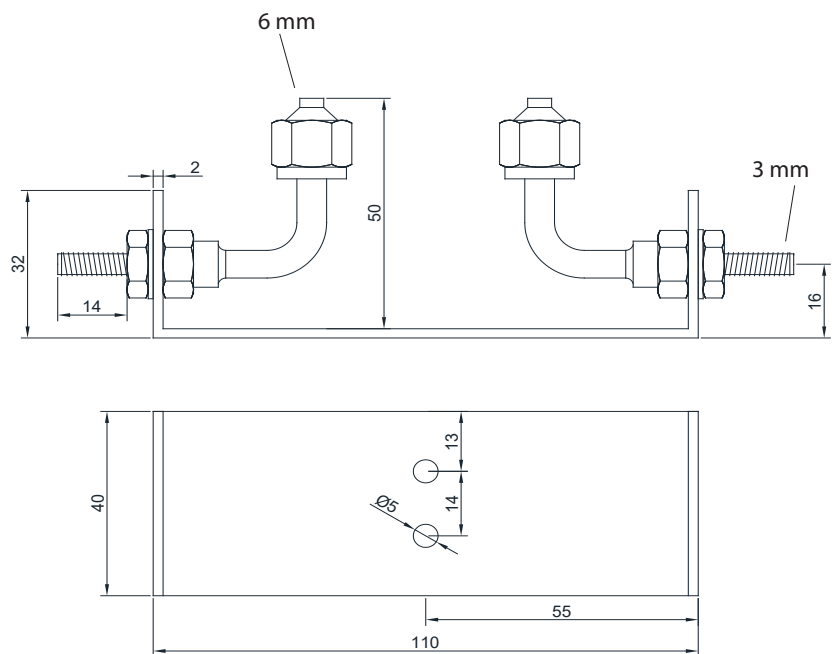
- When mounting, take care to ensure the gas flow direction [arrows] displayed.
- At the ends of the O₂ - Catalyst a spring activated shut-off valve, which will be opened by screwing the catalyst to the mounting or a tube, is located. Those valves prevent the contamination of the inner part due to gases while the NGO2 is disassembled.
- The plugs, the device will be going to be equipped with on delivery should be removed immediately before mounting the NGO2. The contact material will be exhausted after short time if it gets in contact with higher O₂ - concentrations (e.g. air).
- In order to prevent problems arising, the device must be checked for leakages by using leak test medium.

Drawings

O₂-Catalyst NGO2



Mounting for NGO2



Order numbers

Product:

- O₂ - Catalyst NGO2

Order no.:

1021024

Accessories / Spare parts:

- Mounting for NGO2

1029903