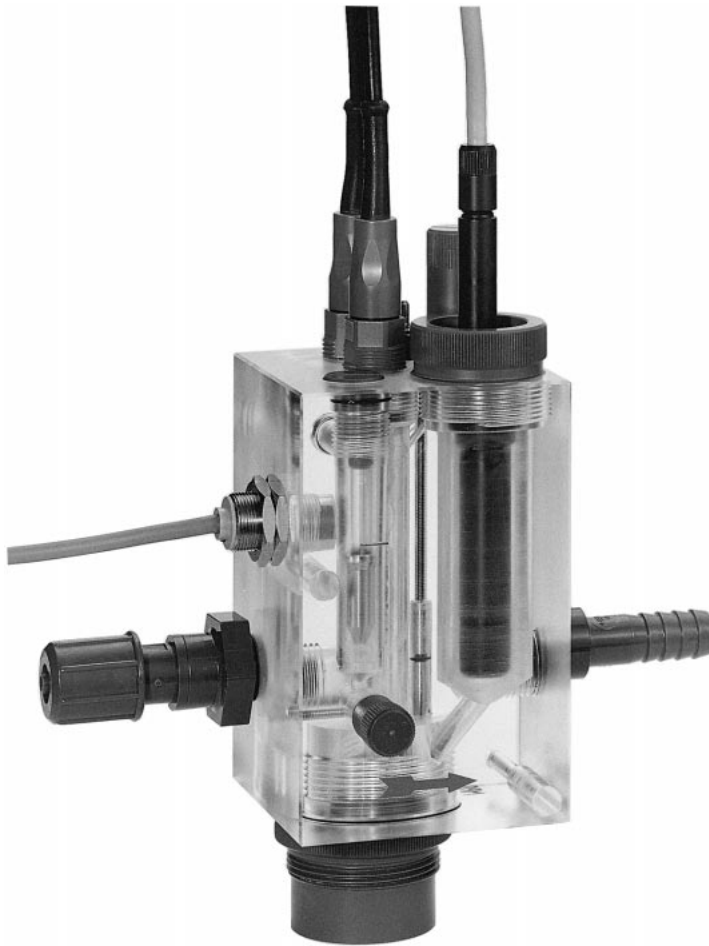


# Chlorine / Chlorine Dioxide Measurement *OCA 250*

## Flow assembly for free chlorine and chlorine dioxide



The flow assembly OCA 250 has been especially designed to hold the chlorine sensors OCS 140 / OCS 141 or the chlorine dioxide sensors OCS 240 / OCS 241. Additionally two mounting positions are reserved for one pH and one redox combination electrode (e.g. types OPS 31-1ABO2GSA and OPS 32-0FBO2GSA).

### Areas of application

- Swimming pool water
- Industrial water
- Drinking water
- Other process applications

### Features and benefits

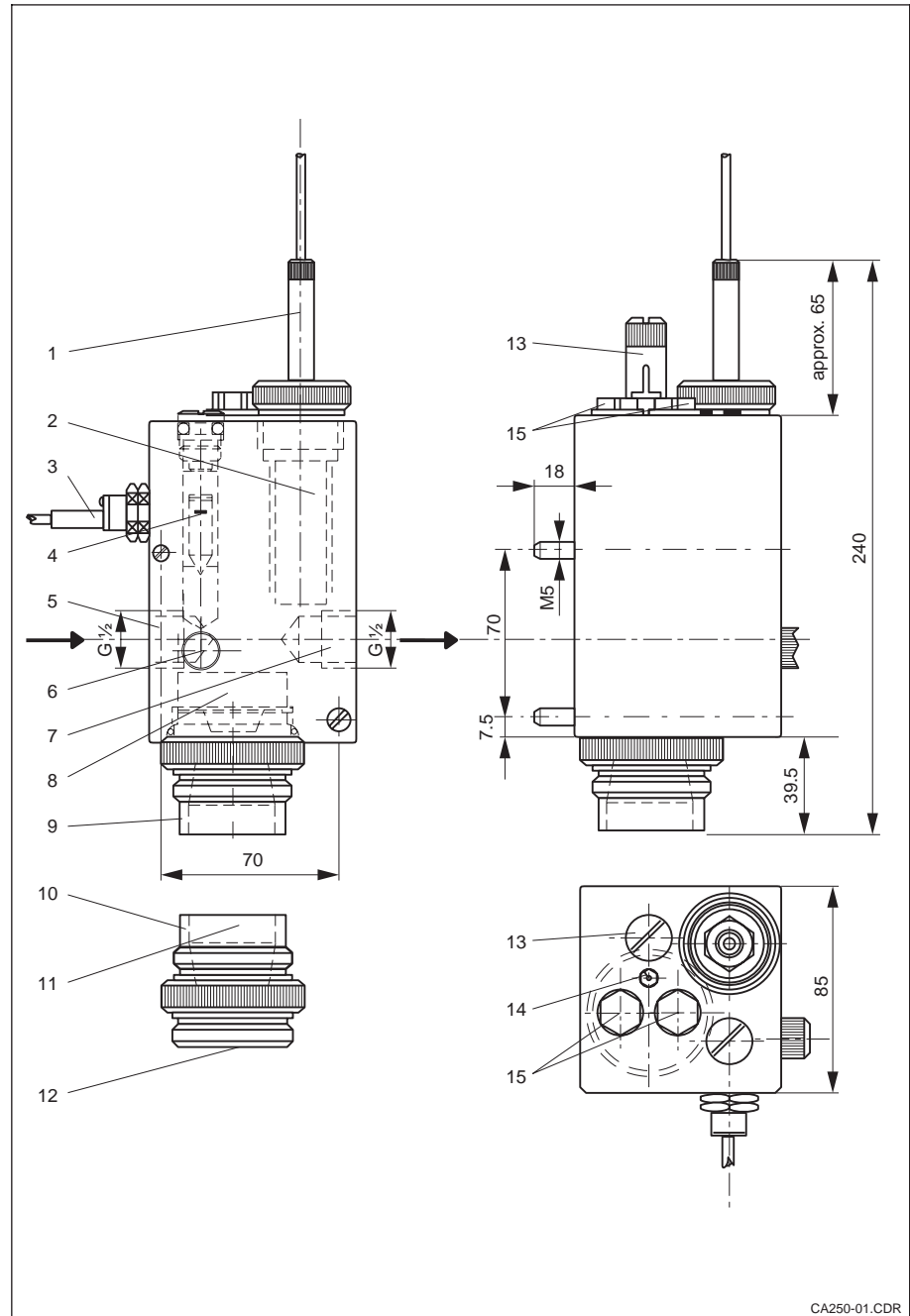
- The PMMA body contains a needle valve to adjust the flow of the measured water and a flowmeter for optical flow monitoring.
- When used with a measuring instrument, e.g. OCM 360 (combination instrument for pH, redox, chlorine and temperature) or OCM 223 (transmitter for free chlorine and chlorine dioxide), a flow alarm can be evaluated by means of an inductive proximity switch.
- Flow alarm evaluation is also possible by means of a separate inductive proximity switch, type INS-R.
- A potential matching pin is built into the assembly for pH and redox measurement.
- Calibration of pH and redox electrodes is possible in the mounted state. The cap screwed onto the assembly from below can be used as a calibration cup.

# Measuring system

The complete measuring system consists of the OCA 250 assembly and:

- Sensors for free chlorine OCS 140 / OCS 141 or sensors for chlorine dioxide OCS 240 / OCS 241
- Measuring instrument, e.g. OCM 360 or OCM 223
- pH and redox electrodes
- RC module for PM connection.

# Dimensions



## Technical data

<b>Dimensions</b>	Instrument with electrode equipment	85 × 85 × 250 mm
<b>Materials</b>	Sensor body	PMMA, PVC, stainless steel 1.4571 (AISI 316Ti), EPDM
<b>Process connections</b>	Threaded connection for pH and redox electrodes	2 × Pg 13.5
	Water inlet and outlet	G ½ internal thread
	Pipe connection	NV ½ for change-over from G ½ internal thread to adhesive coupling for pasting of PVC pipe (OD = 16 mm)
	Hose connection	SV ½ for change-over from G ½ internal thread to hose connection D 6/12 in inlet and hose connection D 16 in outlet
<b>Assignment of mounting positions</b>	Mounting position for chlorine or chlorine dioxide sensor	OCS 140 / 141 or OCS 240 / 241
	Two mounting positions for electrodes with Pg 13.5 thread	one pH combination electrode (e.g. type OPS 31-1ABO2GSA) and one redox combination electrode (e.g. type OPS 32-0FBO2GSA)
	Optional	one inductive proximity switch
<b>Operating data</b>	Max. permissible water pressure	4 bar without sensors, 1 bar with sensors (at 40°C)
	Measured water flow (adjustable via needle valve)	30 ... 120 l/h
	Max. operating temperature	45 °C

Subject to modifications.

## Accessories

- INS**  
 Inductive proximity switch  
 for OCA 250 assembly  
 for flow monitoring  
 Order No.: 51500489
- SV ½**  
 Two adapters D 6/12 and D 16  
 for OCA 250 for hose connection  
 Order No.: 51500478
- SV ½**  
 Two adapters D 6/12 for OCA 250  
 for hose connection  
 Order No.: 51500479
- NV ½**  
 Two adapters OD 16 for OCA 250  
 for pipe connection  
 Order No.: 51500480

## Supplementary documentation

- ❑ Sensors for free chlorine  
OCS 140 / 141  
Technical Information No. 51503879
- ❑ Sensors for chlorine dioxide  
OCS 240 / 241  
Technical Information No. 51503880
- ❑ Combination measuring instrument  
OCM 360  
Technical Information No. 51503205
- ❑ Transmitter for free chlorine and chlorine dioxide OCM 223  
Technical Information No. 51503822

## Product structure

