

# Model OCS140 / 141 Free Chlorine Sensor



**Designed for applications with a  
measuring range between  
0.01 and 20mg Cl<sub>2</sub>/l**

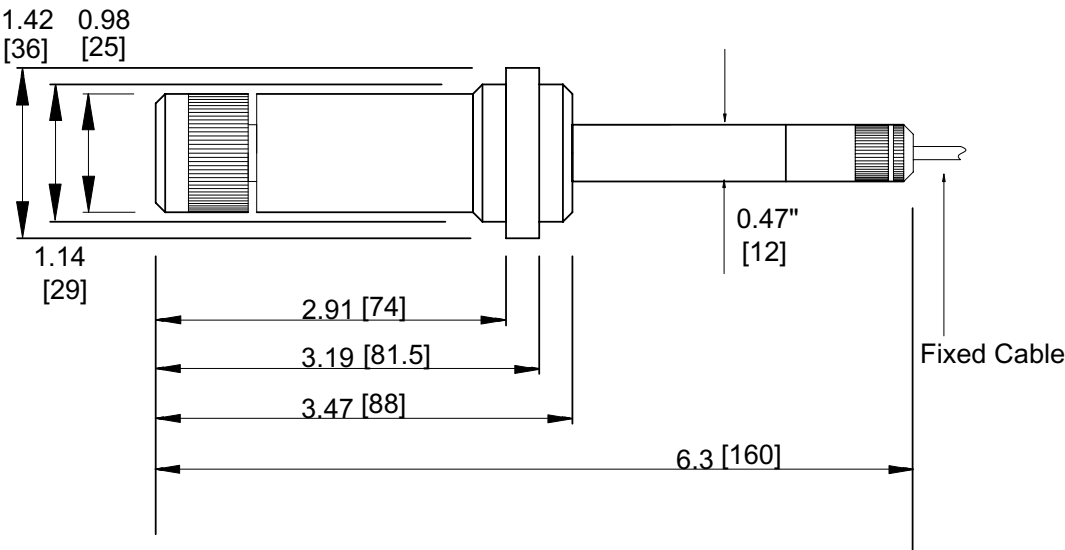
- Measurement is virtually independent of flow rate above 30 l/h (8 GPH)
- Model OCA250 housing available with built-in flow meter and switch to ensure minimum flow of 30 l/h (8 GPH) is maintained
- No zero point calibration required
- Measured values are not affected by conductivity fluctuation
- Simple maintenance and membrane change
- Highly stable sensing system holds calibration for up to 4 months under constant operating conditions
- Allows careful adjustment of process to maintain accurate dosing levels

## Specifications

Body material	PVC
Membrane material	PTFE
Membrane cap	PBT, PVDF
Cable connection	1m, 3m and 10m (3ft, 10 and 33ft) fixed double screened, low noise cable
Measuring system	Passively operated sensor with gold cathode and silver/silver chloride anode
Temperature sensor	NTC Thermistor, 10kΩ @ 25°C
Measuring range OCS140 OCS141	0.05 to 20 mg Cl <sub>2</sub> /l 0.01 to 5 mg Cl <sub>2</sub> /l
Polarization times - OCS 140	First polarization 30 min Re-polarization 10 min
Polarization times - OCS 141	First polarization 90 min Re-polarization 45 min
Response time (increasing concentration)  (decreasing concentration)	90 % of final value: < 2 min 99 % of final value: < 5 min 90 % of final value: < 0.5 min 99 % of final value: < 0.5 min
Minimum sample flow rate (in OCS250 flowcell)	30 l/h (8 GPH)
Minimum flow velocity (non-flowcell installation)	15 cm/s (0.5 ft/s)
Operating temperature range	2 to 45°C (36 to 113°F)
Maximum pressure	1 bar (15 psig)
Average lifetime of electrolyte	Approx. 1 year

**For Use in Water  
Monitoring Applications  
Including Drinking  
Water Monitoring and  
Disinfection, Swimming  
Pool Water Monitoring  
and Cooling Tower Water  
Conditioning**





Dimensions

OCS14	-	N	(select from below for complete order code)
<b>Sensor Sensitivity</b>			
0	General Purpose		
1	Trace Level		
<b>Cable Length</b>			
01	1m		
03	3m (standard length)		
10	10m		

Order Code

Cables	
50005374	Extension Cable, per Meter
50005181	NEMA 4X Junction Box
Maintenance Parts	
50005255	Replacement Membrane Cartridges for OCS140/141 and OCS240/241 Sensors, 2pc.
50005256	Sensor Electrolyte for Model 140/141 Chlorine Sensor, 50ml bottle
Installation Housing	
OCA250	Flow-Through

Accessories



Model 890 / 892

OCA 250

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