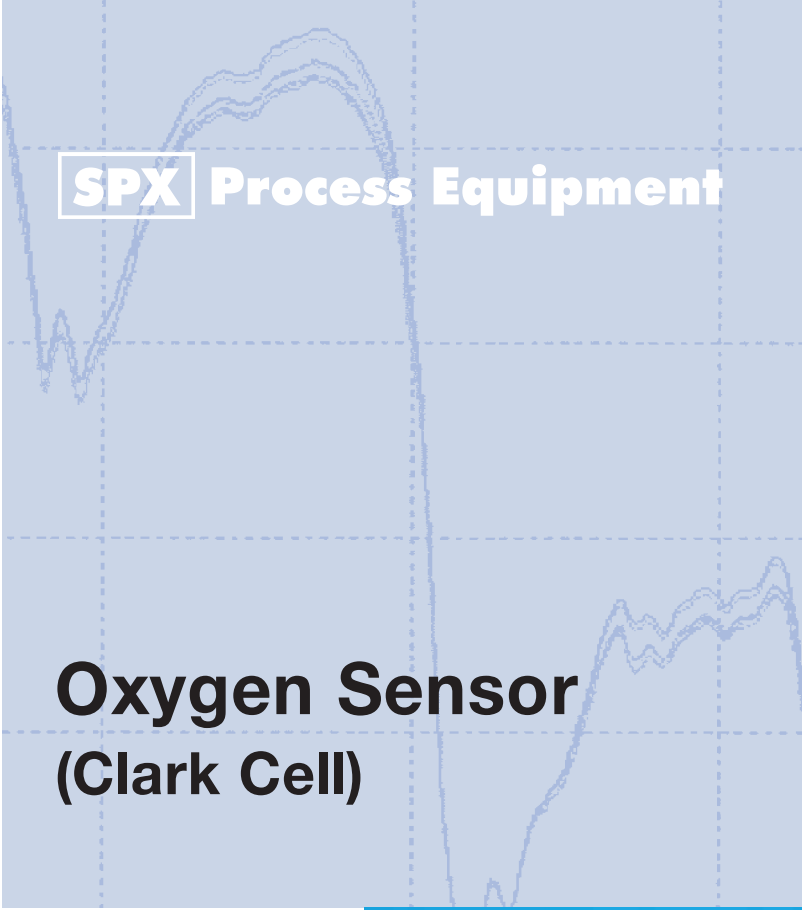


Oxygen Sensor (Clark Cell)



NEW!



Oxygen Sensor (Flow System Sensor with Clark Cell)

The major advantages of this Oxygen Sensor are its long term stability and the long service life. Newly developed sensor electronics enable the oxygen sensor to work without an additional supply battery.

The replacement of the Clark Cell is simplified by the construction of the sensor. The sensor can be modified to the customer's needs regarding measuring range and accuracy. The response time is less than 20 seconds.

Depending on the application the Clark Cell can be offered with various membranes (PTFE in a thickness of 10, 25 and 50 µm). The thickness of the membrane has an influence on the response time and the life cycle. The specifications in the following table refer to a membrane thickness of 50 µm.

Item-Number	48 806 400 D0 A
Range	0 to 20 mg/l
Accuracy	+/- 0.5 mg/l
Response time	< 20 seconds
Resolution	0.1 mg/l
Ambient temperature limit	Storage: -10°C to +60°C Operation: - 4°C to +60°C
Power supply	24 V _{DC} , 2 W
Dimensions (widthxheightxdepth)	112x112x80 mm
Weight	approx. 1000 g (without tube)
Type of sensor/Measuring principle	Clark Cell with PTFE membrane (50 µm)
Protection class	IP 65
Interface	CAN-Bus

Oxygen Sensor (Submersible Sensor using the Clark Principle)

The major advantages of this Oxygen Sensor are its long term stability and the long service life. Newly developed sensor electronics enable the oxygen sensor to work without an additional supply battery.

The replacement of the Clark Cell is simplified by the construction of the sensor. The sensor can be modified to the customer's needs regarding measuring range and accuracy. The response time is less than 20 seconds.

For reliable measurement it is necessary to have a linear flow rate of at least 10 cm/s.

Item-Number	48 806 400 T0 A
Range	0 to 20 mg/l
Accuracy	+/- 0.5 mg/l
Response time	< 20 seconds
Resolution	0.1 mg/l
Ambient temperature limit	Storage: -10°C to +45°C Operation: - 4°C to +45°C
Power supply	24 V _{DC} , 2 W
Dimensions (widthxheightxdepth)	Submersible compound: 60x200x60 mm DAM:* 75x55x70 mm
Weight	approx. 1000 g
Type of sensor/Measuring principle	Clark Cell with PTFE membrane (25 µm)
Protection class	IP 65
Interface	CAN-Bus

* Data Acquisition Module (DAM)