

PRODUCT INFORMATION

PROCESS ANALYSIS
ELECTROCHEMISTRY



5740 sc: the classic O₂ measurement re-defined.

- **Ideal price-performance ratio**
- **Sensor head easy to replace**
- **Long service life**
- **Robust design**
- **Error-free, digital signal transmission**
- **Plug and play with SC controllers**

Better than the standard.

5740 sc is a digital galvanic oxygen sensor with characteristics way above the standard in its class. Procurement and operating costs are significantly lower for this sensor than for the usual amperometric systems. In summary: a sensor with an excellent price-performance ratio.

The difference.

The 5740 sc sensor comprises a nickel-lead cell with a large, cylindrical membrane. This arrangement and the robust design ensure long service life, easy sensor cleaning and very reliable measured values. The sensor is therefore excellently suited to measurements in municipal and industrial wastewater.

Technical data.

Measuring principle	Galvanic
Measuring range	0 to 40 mg/l (ppm), 200 % saturation
Temperature measuring range	0 ... 50 °C
Measuring accuracy	±2 % of the measuring range
Temperature accuracy	±0.2 °C
Max. sample pressure	10 bar
Reproducibility	±0.5 % of the measuring range
Resolution	<10 mg/l: ±0.01 mg/l (ppm); ± 0.1 % saturation; >10 mg/l: 0.1 mg/l (ppm); ±0.1 % saturation
Sensitivity	±0.05 % of the measuring range
Calibration	Air / sample
Materials	Sensor housing: Noryl; O-ring Viton; membrane: polypropylene; sensor head: Noryl, Rython; cable strain relief: nylon
Electrode material	Cathode nickel-chromium; anode lead
Membrane thickness	40 µm
Flow velocity at the sensor	<0.5 cm/s
Response time at 20 °C	T90 = 120 s
Cable length	10 m
Weight	0.26 kg
Dimensions	203 mm x 44 mm (D x L)
Data transmission	Digital to the SC 100 or SC 1000 controller

Ordering information.

5740 sc galvanic O ₂ probe	LXV425.99.00001
Tank edge fastening for sensors (1")	LZX914.99.xx200
SPARE PARTS AND ACCESSORIES	
Sensor head	LZX772

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