



5740 sc Replacement Cartridge

Product #: 5740D0B

OBSOLETE ITEM
This item is no longer available.

Suggested replacements:

- 9020000

Model 5740 sc Galvanic Membrane Dissolved Oxygen Sensor

5740 sc Galvanic DO Sensor: Each sensor includes a replaceable cartridge (with factory-installed, semi-permeable membrane), protector, 12 disposable calibration bags for highly accurate "Saturation Method" air calibration and integral 10 m (32.8 ft) cable.

Replaceable Membrane Cartridge

Hach's 5740 sc Galvanic Dissolved Oxygen (DO) sensors feature a replaceable cartridge, simplifying the delicate and time-consuming task of installing a new membrane. Each cartridge assembly includes a pre-installed, semi-permeable membrane, electrolyte, and electrodes.

Automatic Self-cleaning Accessories

Self-contained air blast cleaning systems, complete with air compressor, are offered to automatically clean the sensor membrane. A separate washer head air blast assembly is also available.

Galvanic Technology

The Hach 5740 sc DO sensor uses a unique galvanic measurement technique. When its lead anode and nickel-chrome cathode are immersed in a filling solution, a spontaneous voltage develops between the two electrodes. A membrane encapsulates the sensor. Oxygen that crosses the membrane is reduced at the cathode. As the oxygen is reduced, the voltage across the electrodes increases in proportion to the amount of oxygen that is consumed.

Less Contamination

Hydrogen sulfide contamination is greatly reduced because of the unique manufacturing process used in making the sensor. The Hach 5740 sc sensor outperforms similar systems at a greatly reduced price.

Complete Encapsulation

Fully-encapsulated construction protects the sensor's built-in electronics from moisture and humidity problems, extending the working life of the sensor.

Specifications

Accuracy:	Measurement: ± 2 % of span
Accuracy 2:	Temperature: ± 0.2 °C
Cable Length:	10 m (integral) (33 ft.) terminated with quick-disconnect plug
Electrode Material:	Nickel-chrome cathode, lead anode
Flow:	0.5 cm/s (0.016 ft./s), minimum
Length:	203.2 mm mm (8.00 in.)
Measuring range:	0.00 - 40.00 ppm (0 - 40 mg/L) or 200% saturation
Membrane Thickness:	40 μ m
Operating temperature range:	-5 - 50 °C
Repeatability:	± 0.5 % of span

Resolution:	Above 10 ppm: ± 0.1 ppm or mg/L, ±0.1% saturation
Response Time:	To 90 % in 120 seconds
Sensitivity:	± 0.5 % of span
Transmission Distance:	100 m (328 ft.) maximum
Transmission Distance 2:	1000 m (3280 ft.) maximum when used with a termination box
Warranty:	12 months
Weight:	0.6 kg
Wetted Materials:	Noryl body, PVC mounting adapter, FKM/FPM O-rings, polypropylene membrane, Noryl and PPS cartridge assembly, and nylon cable grip/strain relief
What's included?:	Includes: sensor with 33 ft cable, cartridge, protector, calibration bags, lockring, and manual

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