

The Specialist in Oxygen Measurement Technique



Syland Multi Range 4002-DRS

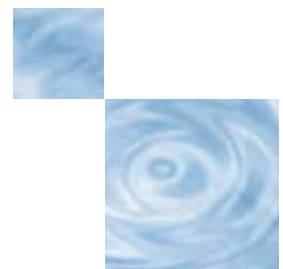
*Top Model with broadband measuring range
and extremely high resolution*



- **2 switchable top-measuring ranges:**
Multi Range (ppm - ppb): 0,000 - 20,000 mg/l
Super Range (ppm - 0,1 ppb): 0.000,0 - 2.000,0 mg/l
- **Automatic drift- and calibration-correction**
- **Built in flow generator MAGN-O₂-TRON 2000
and Flow Meter Cell**
- **Network-independent: accumulator and charger**

Model summary

O₂





Our Multi Range 4002-DRS metrologically leaves nothing to be desired. As a top-model with broadband measuring range and extremely high resolution it is qualified especially for all applications where it is necessary to detect the slightest change in the oxygen concentration despite high concentrations of oxygen.

The advantages of our Multi Range 4002-DRS are illustrated by an example from the practice of plant physiology (Report of the University of Regensburg on the determination of the primary production of algae). The high measuring accuracy, the measurement stability and the minimal drift of the sensor make the detection range of the oxygen measurement technique comparable with radioactive tracer experiments. The advantages over experiments using radioactive substances are obvious; offering almost equal sensitivity, the oxygen measurement technique eliminates a number of important drawbacks: no radioactive substances, no isotope laboratory, no „cocktails“ frequently harmful to death, no medical examination of personnel, no disposal of radioactive wastes.

Technical Data

O ₂ -Measuring ranges:	2, switch-selectable: Multi Range: 0,000 - 20,000 ppm dissolved O ₂ Super Range: 0.000,0 - 2.000,0 ppm dissolved O ₂
O ₂ -Accuracy:	± 0,1 % of full-scale point
°C-Measuring range:	0,0 - 50,0 °C
°C-Accuracy:	± 0,1 °C, automatic temperature compensation
Recorder outputs:	3 adjustable sensitivities: x 1 = 20.000 ppb = 2.000 V output x 10 = 2.000,0 ppb = 2.000 V output x 100 = .2000,0 ppb = 2.000 V output
Power supply:	230 V AC / 50/60 Hz - 2 VA, accumulator + integrated charger
Burden:	> 100 KΩ
Fuse:	0,3 A
Display:	13 mm high, 3-1/2-digit LCD
Sensor:	all active Syland sensors
Calibration:	air calibration in the atmosphere
Housing:	PVC housing, protection categorie IP 65
Dimensions:	H x W x D: approx. 370 x 300 x 150 mm
Weight of instrument:	approx. 2,9 kg
Field case:	H x W x D: approx. 410 x 560 x 180 mm; weight approx. 3,5 kg

Delivery Range

The Syland Multi Range 4002-DRS is undergoing a thorough quality control and calibration before delivery and includes service material, a detailed instruction manual and an up-holstered field carrying case. Standardly equipped with a sensor 4000-E with 1 m cable. Built in flow generator MAGN-O₂-TRON 2000, Flow Meter Cell and charging main cable included.

Technical details are subject to change. Errors excepted.

06/2003

Would you like more detailed information or do you have specific requests? Contact us - we assist you!

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