

## Syland O<sub>2</sub>-TRIOMAT

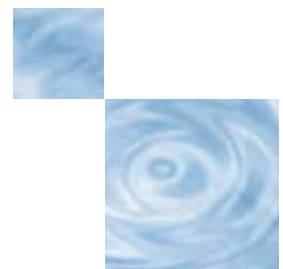
*Threefold on-line instrument amplifier,  
optional with averaging function for more accurate  
control and regulation*



- *With metallicly isolated recorder outputs (0/4-20 mA) for oxygen (3-times) or:*
- *Recorder output (0/4-20 mA) for oxygen, temperature and average value*

Model summary

O<sub>2</sub>



The Syland model O<sub>2</sub>-Triomat is a threefold on-line instrument amplifier. We can supply two variants of this model: for 3 individual measurements or averaging of up to 3 sensors

■ 1. Type:

In this analyzer, 3 probes are transmitted over 3 simultaneous amplifiers to 3 x current output 4 - 20 mA. The measuring of temperature is - by means of the sensor selector switch - only available for air calibration. This permits covering three freely chosen measuring points at the same time, e.g. preliminary clarification, biological stage and effluent or three different points in one great basin. It means that your plant can be controlled or regulated via the 3 metallicly isolated recorder outputs (0/4-20 mA). The sensors 1-3 are assigned to calibration or monitoring by means of a selector switch.

■ 2. Type:

It has been shown in practice that O<sub>2</sub>-concentrations in clarification basins or reactors are often inhomogeneous. For this reason, the device includes an automatic averaging function enabling more accurate control of your plant:

With this type, the probes 1-3 are averaged over and transmitted with current output 0/4-20 mA (metallicly isolated, permanently active). The different sensors can be masked out by means of 3 tappet switches. So the measuring is, e.g. during a sensor refitting, not disturbed; the value is now averaged over the two remaining probes. Via the sensor selector switch the temperature of the selected sensor is available as recorder output 0/4-20 mA.

- 3-fold oxygen-measurement reading
- Supporting efficient and economic operation of your plant
- Reduction in energy costs
- Very simple maintenance and handling

### Technical Data

O <sub>2</sub> -Measuring range:	0,0 - 20,0 ppm dissolved O <sub>2</sub>
O <sub>2</sub> -Accuracy:	± 0,5% of full-scale point
°C-Measuring range:	0,0 - 50,0 °C
°C-Accuracy:	± 0,1 °C, automatic temperature compensation
Recorder output:	Type 1: 3 simultaneous recorder outputs Type 2: 1 averaging value of up to 3 sensors
Power supply:	230 V AC / 50/60 Hz - 5 VA
Burden:	< 500 Ω, short-circuit proof
Fuse:	1 A
Display:	13 mm high, 3-1/2-digit LCD
Sensor:	all active and passive Syland sensors
Calibration:	air calibration in the atmosphere
Housing:	PVC housing with transparent door, protection categorie IP 65
Dimensions:	H x W x D: approx. 210 x 200 x 180 mm
Weight of meter:	approx. 3,0 kg
Option:	various sensor-constructions, e.g. with installation pipe

### Delivery Range

The Syland model O<sub>2</sub>-Triomat is undergoing a thorough quality control and calibration before delivery and includes service material, a detailed instruction manual and connection diagram. - without sensors

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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