SKIDS DE CONDICIONAMENTO DE AMOSTRA

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ANAPARTS B.V.
Analyse-instrumenten, meet- & regeltechniek
safety systems

DR. LEYE
Analysen-und Anlagentechnik

Oxygen meter

con 2000 oxygen

Analyser for the

determination

of dissolved oxygen

Features and peculiarities

- Capable of measuring in a range from trace amounts up to saturated media
- High resolution and rapid response time thanks to elimination of membrane
- No zero point setting required
- Measuring sensor can be easily removed, thus facilitating maintenance
- No salting cell required if conductivity of material to be analysed ≥ 3 µS/cm^{-1}
- No additional calibration medium required thanks to automatic in-line calibration; consequently, the unit provides for a high degree of automation
- **New: Calibration – just in time:**
  If the ionic strength of the sample current changes, e.g. when the power plant changes from alkaline to combined operation, the unit automatically calibrates, thus adapting itself to the new conditions.
- Compensation of flow rate and temperature effects
- Sensor available both as floor unit and panel-mounted unit
- Insensitive to pressure fluctuations
- Analogue and digital interface
- Processing of measured values by means of state-of-the-art microcontroller technology, menu-assisted operation

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Technical data

Measuring method:	Potentiostatic 3-electrode measuring system
Calibration:	either manual or automatic
Measuring ranges:	
Measuring range group I:	0.0 ... 500.0 µg/l measuring ranges freely selectable from 20...500.0 µg/l
Measuring range group II:	0.0 ... 20.0 mg/l measuring ranges freely selectable from 4 ... 20.0 mg/l
Autom. measuring range switching.:	either manual or automatic
Analogue output:	0(4) ... 20 mA freely selectable, max. load 500 Ω
Digital output:	Serial interface RS 232
Data logging:	Option
Limit value:	Floating changeover contact 230 V/500 mA
Alarm/fault:	Floating changeover contact 230 V/500 mA
Measuring electrode:	Silver
Counter-electrode:	High-grade steel 1.4571
Reference electrode:	Ag/AgCl electrode in saturated KCl solution
Calibrating electrode:	High-grade steel 1.4571
Time constant t_{90}:	30 s
Conductivity of material to be analysed:	≥ 2 µS/cm, otherwise, use salting cell with calcium carbonate
Flow rate of material to be analysed:	5 ... 15 l/h
Ambient temperature:	0 ... +55°C
Temperature of material to be analysed:	0 ... +60°C

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Pressure of material to be analysed:	< 8 barg (0.8 MPa)
Degree of protection:	IP 65
Mains voltage:	100 ... 240 VAC; 50/60 Hz
Power consumption:	10 VA
Connection for material to be analysed:	Compression-type fitting f. pipe ∅ 6 mm
Error limit:	± 3 %

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