



**SKIDS DE
CONDICIONAMENTO
DE AMOSTRA**



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Hydrogen meter

con 2000 hydrogen

Analyser

for the determination of
dissolved hydrogen



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
- Low-maintenance measuring sensor
- No additional calibration medium required thanks to automatic in-line calibration, consequently, the unit provides for a high degree of automation
- 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
- ***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.

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Technical data:

Measuring method:	Potentiostatic 3-electrode measuring system
Calibration:	Optionally 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
Measuring range switching:	Optionally manual or automatic
Analogue output:	0(4).....20 mA freely selectable, max. output 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:	Platinum
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:	$\geq 2 \mu\text{S/cm}$, 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 bar (0.8 MPa)

Connection for material to be analysed: Compression-type fitting f. pipe Ø 6 mm

Error limit: ± 3 %

Degree of protection: IP 64

Mains voltage: 100...240 VAC ; 50/60 Hz

Power consumption: 10 VA

Housing: Aluminium die casting housing
H 220 x W 137 x D 70