

AMI Hydrogen QED

Online Analyser for the Continuous Measurement of Dissolved Hydrogen in Water/Steam Cycle

- Measuring range: 0.01 to 800 ppb
- Faraday electrode and control unit for the automatic sensor verification by electrochemically generated of hydrogen in ppb range
- Un-attend and automatic sensor self-regeneration
- Durable membrane and large electrolyte volume in the hydrogen sensor to avoid frequent sensor maintenance
- Automatic temperature and air pressure compensation
- Digital sample flow surveillance
- No reagent/ purge gas is required for the operation
- Optional communication board Profibus DP / Modbus
- Factory tested and ready for installation and operation.



Dissolved Hydrogen

Monitor AMI Hydrogen QED
Data Sheet No.: DenA22851000

Dissolved Hydrogen in High Purity Water



Monitor AMI Hydrogen QED
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Transmitter AMI Hydrogen QED

- Rugged aluminium housing IP66
- Two freely scalable current signal outputs (0/4 – 20 mA), third one as an option
- Optional fieldbus communication board

Flow cell

- Made of acrylic glass with built-in flow adjustment valve, digital sample flow meter and faraday electrode
- Flow rate: 6 to 20 l/h

Dissolved Hydrogen Measurement

- | | |
|---------------------------|--------------------|
| • Measuring range: | Resolution: |
| 0 to 9.99 ppb | ± 0.01 ppb |
| 10 to 99.9 ppb | ± 0.1 ppb |
| 100 to 800 ppb | ± 1 ppb |
| 0 to 50 % saturation | ± 0.1 % saturation |
| Automatic range switching | |

Swansensor Hydrogen

- Sensor with platinum anode and silver cathode
- Integrated NT5k temperature sensor.



Swansensor Hydrogen
A87260001