

## AMI pH/Redox (QV-Flow)

*On-line Analyzer for the Continuous Measurement of pH or Redox (ORP) in High Purity Water, Steam and Condensate.*

- *Simultaneous measurement of pH or redox, sample temperature and sample flow.*
- *Combined or separated sensors with reference electrodes for various sample conditions.*
- *Flow cell QV-Flow IS1000 made of stainless steel.*
- *Complete system mounted on a stainless steel panel.*
- *Factory tested, ready for installation and operation.*

*Data Sheet No: DenA2122XXXX*



*pH and Redox*

# *pH and Redox (ORP) in High Purity Water, Steam and Condensate*



## *Transmitter AMI pH/Redox*

- *Rough Aluminum housing IP66.*
- *Measuring range: 1 to 13 pH, or -500 to +1500 mV depending on installed sensor.*
- *Temperature compensation according to:*
  - *Nernst (for potable water and waste water).*
  - *Nernst with non-linear solution compensation (for high purity water).*
  - *Nernst with linear compensation with selectable coefficient (for high purity water).*
- *Two freely scalable current signal outputs (0/4-20 mA), third one as an option.*
- *Optional fieldbus communication board.*

## *Sensors*

- *Swansensor ST/AY:  
pH 1 to 13 resp. -400 to +1200 mV*
- *Swansensor SI/FL:  
pH 1 to 12 resp. -500 to +1500 mV*
- *Resolution:  
0.01 pH or 1 mV*

## *Flow Cell QV-Flow*

- *Flow cell QV-Flow IS 1000 made of stainless steel with quick release vessel, needle valve, digital sample flow meter and temperature sensor.*
- *Flow rate: 5 to 10 l/h*
- *Inlet pressure: 0.2 to 2 bar*



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ANALYTICAL INSTRUMENTS