

## AMI Deltacon Power

Analyzer for the Automatic and Continuous Measurement of Specific and Cation Conductivity (before and after a Cation Exchanger). Calculation of the Sample pH Value and Ammonia Concentration.

- Simultaneous measurement and display of both conductivities, pH or ammonia concentration, sample temperature and sample flow.
- Two precision conductivity sensors with slot-lock design and integrated Pt1000 temperature probe.
- Easy to replace cation exchanger.
- Automatic deaeration of the cation exchanger.
- Calculation of resin consumption with user alarm.
- Optional pre-rinse setup for instantaneous resin exchange.
- Factory tested, and ready for installation and operation.

Data Sheet No: DenA23461XXX



Specific and Cation Conductivity

# Calculated pH from Specific and Cation Conductivity



## Analytical System

- Conductivity measurement range: 0.055 to 1000  $\mu\text{S}/\text{cm}$
- Calculation of pH value: from pH 7.5 to 11.5 (VGB-directive 450L)
- Calculation of ammonia concentration in the range from 0.01 to 10 ppm.
- High precision:  $\pm 1\%$  of the measured value
- Temperature compensation: preset for strong acids but available for a wide range of other sample conditions.

## AMI Electronic Unit

- Rugged aluminum housing (IP66).
- Two freely scalable current signal outputs (0/4-20 mA), third one as an option.
- Optional fieldbus communication board (Profibus, Modbus, Webserver).

## Flow-Cell with Sensors and Integrated Cation Exchanger with Pre-Rinse Option

- Stainless steel flow cell with integrated needle valve and digital sample flow meter.
- Quick sensor release with patented slotlock design.
- Easy to replace integrated cation column with automatic deaeration.
- Optional pre-rinse setup for instantaneous resin exchange.
- Sensors with stainless steel body, titanium electrode and built-in temperature sensor for automatic temperature compensation.