

AMI Powercon Acid

Analyzer for the automatic and continuous measurement of acid (cation) conductivity in feedwater, steam and condensate

- Measurement the conductivity after a cation exchanger.
- Two precision conductivity sensor with slot-lock design and integrated Pt1000 temperature probe.
- Easy to replace cation exchanger.
- Automatic deaeration of the cation exchanger.
- Optional pre-rinse setup for instantaneous resin exchange.
- Factory tested, and ready for installation and operation.

Data Sheet No: DenA23445XXX



Acid (Cation) Conductivity

Conductivity after a Cation Exchanger (Acid/Cation Conductivity)



Analytical System

- Conductivity measurement range:
0.055 to 1000 $\mu\text{S}/\text{cm}$
- High precision:
 $\pm 1\%$ of the measured value
- Temperature compensation:
 - non linear function for high purity water
 - neutral salts
 - strong acids
 - strong bases
 - Ammonia, Ethanolamine
 - Morpholine
 - Linear coefficient in $\%/^{\circ}\text{C}$
 - Absolute (none)

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 flow adjustment valve and digital sample flow meter.
- Quick sensor release with patented slot-lock design.