ANALYTICAL INSTRUMENTS

# AMI CACE

*"Reliable and uninterrupted conductivity after cation exchange monitoring without resin columns"*

*The AMI CACE is an online monitor for conductivity, before (SC) and after (CACE) cation exchange.*

*The use of an electro deionization (EDI) module and useful self-monitoring functions of the instrument guarantee lowest maintenance effort and highest efficiency:*

- *No resin columns needed:*
  *- no resin exchange*
  *- no maintenance*
  *- no chemicals*
- *No resin rinse down time required: Instrument availability at all times*
- *Calculation of pH and alkalizing agent concentration included*
- *Continuous monitoring of sample flow and sample temperature*

*AMI CACE*
*Data Sheet Nr. DenA23462000*

*Dual Conductivity Monitor*

www.swan.ch

# Dual Conductivity Monitor

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## AMI CACE with electro deionization (EDI) module: The economical solution to measure CACE

*Conductivity after cation exchange (CACE) is the central parameter to monitor water-steam cycle chemistry. Whereas conventional CACE monitoring relies on costly resin columns to undertake cation exchange, SWANs AMI CACE online monitor comes equipped with a money saving electro deionization module. It regenerates the embedded resin; exchange of depleted resin material is no longer required.*

*This not only brings financial but also operational benefits: Downtime due to regular resin exhaustion is avoided, resulting in constant reliable data and significantly reduced maintenance costs. At the same time, leakages from resin are prevented and the impact of the measurement on the CACE value is minimized leading to reproducible readings. The use of aggressive chemicals for regeneration decreases resulting in lower waste disposal costs.*

## Significantly reduce cost of ownership with the AMI CACE: No resin, no maintenance, no use of chemicals.





*Made in Switzerland*

## Range of Application

### Peaking Combined Cycle Power Plants

*Significantly lower maintenance efforts with automated startup, shutdown and EDI module deaeration routines. Short rinse down times allow immediate monitoring after startups while low resin consumption affects operating costs positively.*

### Industrial Power and Steam Generation

*Cost-efficient instrument operation without need of extensive maintenance.*

### Nuclear Power Plants

*High pH values require high use of resin in conventional CACE monitoring. Reduce resin consumption with an EDI module and lower waste disposal costs.*

### Fossil-Fired Base Load Power Plants

*Avoid maintenance times for monitoring and use less regeneration chemicals in order to reduce operating costs.*

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