

Complete monitoring system for the automatic, continuous measurement of the conductivity before (specific / total conductivity) and after a cation exchanger (acid / cation conductivity).

Calculation of the sample pH value and alkalizing reagent concentration based on differential conductivity measurement.

Monitor AMI Deltacon Power

Complete system mounted on stainless steel panel:

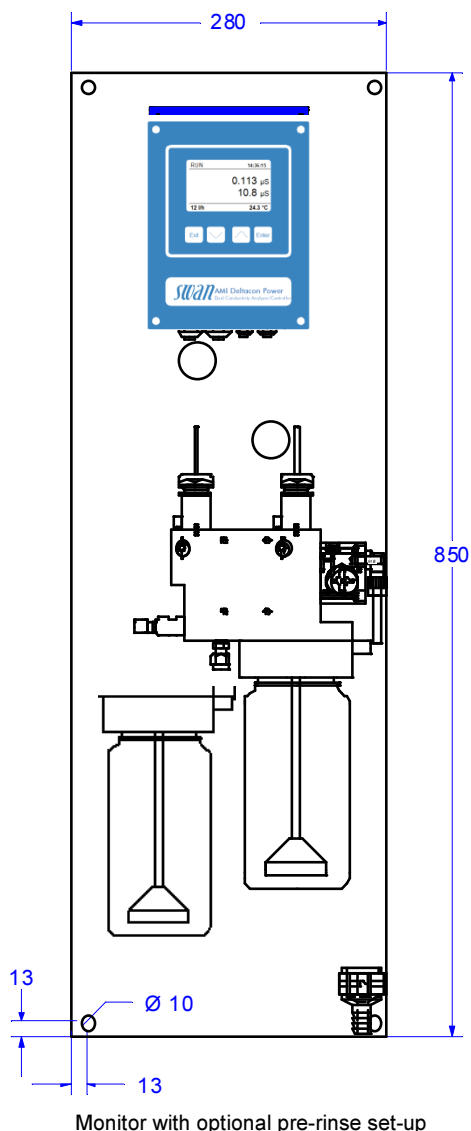
- **Transmitter AMI Deltacon Power** in a rugged aluminum enclosure (IP 66).
- **Swansensor UP-Con1000-SL**; two 2-electrode conductivity sensors with slot-lock design and integrated Pt1000 temperature probe, $k= 0.04 \text{ cm}^{-1}$.
- **Flow cell Catcon-Plus-SL** made of stainless steel 316L with flow adjustment valve and digital sample flow meter. Quick sensor release with patented slot-lock design. Integrated, easy exchangeable, transparent cation exchanger vessel with automatic deaeration. Nuclear grade resin with capacity indicator.
- Factory tested, ready for installation and operation.

Variant with Pre-rinse setup:

- for instantaneous resin exchange (lead-and-trail) with additional trail vessel.

Specifications:

- Conductivity measurement range: 0.055 to 1000 $\mu\text{S/cm}$.
- Calculation of pH value in the range from pH 7.5 to 11.5 (directive VGB-S-010-T-00).
- Calculation of alkalizing reagent concentration, e.g. ammonia in the range from 0.01 to 10 ppm.
- Simultaneous measurement and display of both conductivities, pH, alkalizing reagent, sample temperature and sample flow.
- Temperature compensation preset for strong acids but wide range of others selectable for other sample conditions.
- Two current outputs (0/4 - 20 mA) for measured signals (3rd as option).



Monitor with optional pre-rinse set-up

Order Nr.	Monitor AMI Deltacon Power AC	A-23.461.101
	Monitor AMI Deltacon Power DC	A-23.461.201
	Monitor AMI Deltacon Power Pre-rinse AC	A-23.461.102
	Monitor AMI Deltacon Power Pre-rinse DC	A-23.461.202
Option:	<input type="checkbox"/> 3 rd current signal output (0/4 – 20mA)	A-81.420.050
	<input type="checkbox"/> Profibus DP & Modbus RTU interface (RS-485)	A-81.420.020
	<input type="checkbox"/> USB interface	A-81.420.042
	<input type="checkbox"/> HART interface	A-81.420.060
Option:	<input type="checkbox"/> Cation exchanger, 1 bottle with 1l resin	A-82.841.030

