

4000 DC Degas Conductivity Analyzer

Fast and accurate degassed conductivity monitoring with Waltron's compact and innovative 4000 DC

The Waltron 4000 DC Degas Conductivity Analyzer utilizes innovative dynamic degassing technology for precise conductivity measurements in ultra-pure water systems. Engineered for reliability and ease of use, it seamlessly integrates after cation exchangers. Supported by Waltron's strong U.S. team, the 4000 DC ensures accurate, continuous monitoring with unmatched performance.



Key Features

- Revolutionary heatless degassing technology
- Achieves 93.5% degassing efficiency in less than 90 sec
- Sample temperature fluctuation does not affect accuracy
- No gas emissions or volatile acids
- Significantly reduced turbine start-up times
- Surface mount can be easily linked to a Waltron 9095 or 4095 Multicon
- Bright 3.5" TFT color display shows precise values from specific and cation conductivity sensors, and generates a calculated pH value for the same sample point
- Easy to install and configure with alarms, relays, and two 4-20mA outputs per channel
- On-board data logging and live trending
- Choice of 24VDC or 110-240VAC versions



Get in Touch

Waltron Group Headquarters
25 Minneakoning Road, Suite 101
Flemington, NJ 08822 USA

Main: +1 908-534-5100
Fax: +1 908-534-5546
info@waltron.net

Specifications

Parameter: Degas Conductivity

Technology: Dynamic Degassing

Range(s): 0-9.999 $\mu\text{S/cm}$, 0-99.99 $\mu\text{S/cm}$

Accuracy: (+/-) 1% of measured value or +/- 1 digit (whichever is greater)

Sample Streams: 1

Response Time: t_{90} : < 5 seconds

Cycle Time: Continuous

Analog Outputs: Single current output, selectable 0-20mA or 4-20mA into 750 ohms max, fully isolated to 2kV. Expandable across the full operating range and offset anywhere in that range. Loop fault detection.

Alarms: 2 normally open, fully configurable setpoints, with volt-free contacts for each relay.

Calibration Method: Process

Calibration Frequency: Probe-dependant

Ambient Conditions: 0-130°F / -20-55°C

Sample Temperature: .031 - .044 GPM (7-10L/h)

Sample Flow/Pressure: Maximum of 145 psig (10 bar); .031-.044 GPM (7-10L/h)

Mechanical

Power: Universal 90-265vAC, 10W max
LV Option 12-30vDC, 5W max"

IP Rating: IP 66, NEMA 4X

Mounting: Surface/wall

Materials: Corrosion Resistant Steel and ABS plastic

Sample Connection: 1/4 (0.635cm)
OD Swagelok

Maintenance Cycle: Monthly soda
lime cartridge

