



Features

- Four analog (4-20mA) inputs in of any kind in any combination: pH, ORP, conductivity, dissolved oxygen, chlorine, and more. Expandable up to 8 (4-20mA inputs) in some configurations.
- Three pulse / contact inputs, including flow sensors and contact-type switches. Expandable with expansion cards.
- Four 240V/5A SPDT relays for process control, programmable for any of the inputs. Expandable up to 12 relay outputs
- Alarm notifications by email, text, and/or display
- 100% web-enabled from setup to data collection to remote viewing
- Data logging, logs are downloadable from the web interface or emailed automatically.
- 1/4 DIN panel-mounted enclosure with an optional adapter for wall mounting
- Password protection with three levels of security
- Expansion card slots to customize input and output options

Description

The AM-2300 is a compact, web-integrated process controller that combines key PLC and SCADA functionalities, offering a cost-effective solution for industrial and municipal monitoring and control. Designed for flexibility, it supports four (or more) direct 4-20 mA sensor inputs and three (or more) pulse/contact inputs, including paddle wheel and magnetic flow meters, as well as contact switches. Four programmable relay outputs (expandable) can be configured for individual sensor responses or as a common alarm trigger. Expansion cards allow the AM-2300 to handle up to 16 inputs—eight physical and eight virtual—enabling advanced calculations like flow totalization, sensor differentials, and custom process functions.

With an intuitive web-based interface, the AM-2300 simplifies setup, calibration, and configuration. Users can access the system from any laptop, tablet, or mobile device, eliminating the need for complex programming. The built-in automation engine allows for group email and text notifications, ensuring real-time updates on process

conditions. Secure browser access provides remote monitoring capabilities, while the local menu system offers full control for on-site adjustments.

The AM-2300 also includes robust data logging, with an internal SD card storing historical sensor readings for analysis and compliance tracking. Modbus/TCP communication enables seamless integration with PLCs, SCADA systems, making it a versatile option for automated process management. The controller is designed for durability, with NEMA 4X panel-mounting. NEMA 4X wall mounting option is available to protect against harsh outdoor environments.

With its powerful feature set, compact design, and affordability, the AM-2300 is an ideal solution for facilities that require reliable process control without the high costs typically associated with industrial automation. Whether used for water treatment, chemical processing, or general industrial monitoring, the AM-2300 delivers precision, flexibility, and ease of use in one streamlined package.

Applications

- All-in-one controller & datalogger
- Municipal water & wastewater
- Analytical or process instrumentation
- Small to medium sized manufacturers
- Tank level monitoring and control
- Chemical dosing and process optimization
- Industrial utilities
- Agricultural Irrigation
- Aquaculture
- Metal finishing and plating
- Environmental monitoring
- Remote locations



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AquaMetrix AM-2300 Multi-Parameter Controller

Technical Data

Inputs

Analog	Four 4-20 mA, expandable to eight with additional input card (AM-2300-1) *
Pulse/Contact	Three pulse / contact inputs—used for flow sensors and switch type sensors, expandable to six or more (AM-2300-3 and some others) *

Outputs

Analog	Four 4-20mA with an additional output card (AM2300-2) *
Relays	Four 120V/240 V @ 10A/5A expandable to eight (AM-2300-3) or ten (AM-2300-4) *
Alarms	Configurable as E-mails and/or texts for alarms, alerts.
Web	Remote viewing with a browser on a computer, tablet, or smart phone. Remote programming from any of these.
Datalogging	Logging of CSV files. Files can be downloaded, FTP uploaded, or sent via email/text message.
Digital output	Modbus TCP/IP

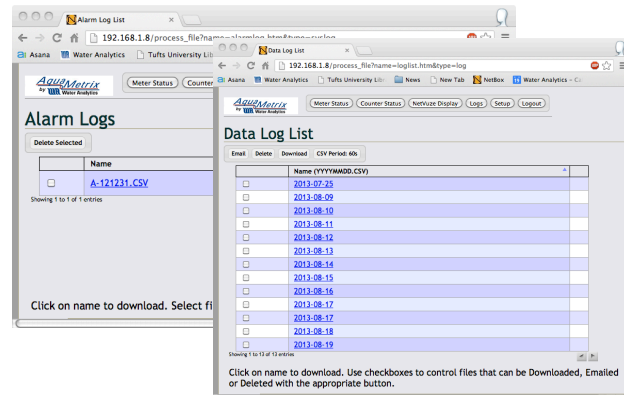
Ratings

Current Rating	0.3 A
Temp Rating	0 to 70 0C.
Protection	NEMA 4x (panel mounting). Optional NEMA 4X wall mounting enclosure is available.
Safety	TÜV SÜD: Emissions Class A, FCC Part 15, ICES-001, Basic Immunity

Physical

Mounting	1/4 DIN panel mount or wall mount with optional hardware
Dimensions	Front cover: 6.5" wide x 5.5" tall x 4.5" deep; panel cutout: 1/4 DIN (3.64" x 3.64")
Weight	2 lbs.

From data log to data analysis takes less than a minute.



All logs can be downloaded remotely from a web browser.

The web interface provides 100% web functionality from any laptop or smart device.

Ordering Information

Model Number

AM-2300-0
AM-2300-1
AM-2300-2
AM-2300-3
AM-2300-4

Inputs

4X Analog 3X Contact
8X Analog 3X Contact
4X Analog 3X Contact
4X Analog 6X Contact
4X Analog 3X Contact

Outputs

4X Relays
4X Relays
4X Relays 4 and X Analog (4-20mA Out)
8X Relays
10x Relays

*Other models and configurations are available, please contact us for details.