

GTE ADM 200 (Ambient Data Manager)



ADM – Ambient Data Manager

ADM is a secure, Linux-based data logging and air quality monitoring solution designed for reliable local data acquisition, efficient instrument integration, and transparent operational monitoring via a web-based interface

ADM System



Web-based software accessible via all browser devices



Turn-key solution for +300 pre-configured devices



Data Validation powered by AI engine, automatic failure detection & status



Remote diagnostics and maintenance



setting individual thresholds for alarming via integrated workflow systems



Relational, highly secured database for 10+ years data storage (RAID system)

ADM Data Management



Graphs and reports used for multiple devices & parameters



Geomapped data displayed on graphical map



Export of data in different formats (csv / Excel, Json, XML)



Data provisioning via standardized interfaces for public screens and websites



Alerts via multichannel communications (e-mail, SMS)



AQI – air quality index according to EN or US EPA

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Technical Specification

Housing: 19-inch rack mount (1.5 HU), aluminum enclosure

Dimensions: 33.5 x 23.5 x 6.5 cm

Weight: approx. 2.6 kg

CPU: Industrial PC, fanless

Storage >= 500 GB SSD; RAID-mirrored configuration

Internal Database: Local SQL engine (no cloud dependency)

COM-Ports: 6

LAN-Ports: 2 (LAN / DIAG)

Analog Inputs: 8 (0-10 V / 0-20 mA)

Digital Inputs: 6 (0-5 V max)

Relay Outputs: 4

Power: 100-240 VAC, max 50 W / avg 12 W

UPS: Integrated UPS for short power interruptions

Hardware watchdog: Included

Connectivity: Modem / Router Control

Main Features:

- Web-based user interface (no client installation required)
- Instrument management via Serial/COM and TCP/IP
- Automatic error detection and instrument status monitoring
- Role-based user management with predefined roles
- Expansion via serial-to-LAN hubs (MOXA)
- Rapid instrument installation (≤ 2 user actions)
- Power BI or external dashboard integration

More than 300 preconfigured devices available:

HORIBA

Met One Instruments

PALAS

AETHLABS

CHROMATOTECH

ThermoFisher SCIENTIFIC

Lufft

envea



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Data Sheet