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AMBIENT DATA MANAGER

QUICK START GUIDE

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Plug & Play Devices

More than 300 preconfigured devices available, individual modification on request (info@gte.green)

Particulate Matter

PALAS
Met One Instruments
Dr. Födisch Umweltmesstechnik AG
GRIMM AEROSOL TECHNIK
ThermoFisher SCIENTIFIC
AEROSOL MAGEE SCIENTIFIC
COMDE DERENDA
DURAG GROUP SMART SOLUTIONS FOR COMBUSTION AND ENVIRONMENT
AETHLABS

Meteorology

VAISALA
Lufft an OTT HydroMet brand
meteolabor Reliable Measurement and Protection
GILL
KIPP & ZONEN an OTT HydroMet brand
MIERIJ METEO SYSTEMS
METEK Meteorologische Messtechnik GmbH Germany
Thies CLIMA
ARMES

Gas Analyzer

HORIBA
Met One Instruments
CHROMATOTEC
envea
AMA INSTRUMENTS
acoem
CASELLA A DIVISION OF TSI
LI-COR
AMETEK | mocon
TELEDYNE API Everywhereyoulook

Special devices (H_2-Generator, GPS):

LNI
GARMIN

Protocols:

- UIDEP (Universal Protocol for Ambient Air Monitory)
- Modbus
- Bayern/Hessen

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CONTENT

Safety Messages
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This is a quick start guide for your ADM. It explains the important steps for the first operation of the ADM. Please read all the steps carefully before starting the installation of the instrument. If you need more detailed guidance and information please download the 'ADM Manual' through the QR-Code.

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SAFETY MESSAGES

Throughout this guide please take the safety signs seriously. Here are the meanings of the safety signs you will see in this guiding book.

GENERAL SAFETY HAZARD: Refer to the instructions for details on the specific hazard.

CAUTION: Electrical shock hazard.

ATTENTION: Do NOT dispose with ordinary trash!

RECYCLING

PRODUCT DESCRIPTION

Main functions:

- Datalogging (+300 preconfigured instruments from all major players)
- Dashboard (Intuitive overview of system status and graphical intuitive overview of connected devices)
- Live Diagram
- Routines activities triggered by several sources (automated data workflow)
- Simplified system configuration and maintenance

There are two different modes of operation.

Viewer Mode:

- Only views data, without ability to adjust or modify (User)

Expert Mode:

- Act as administrator, can configure the system, by adjusting settings, as well as exporting data (Admin)

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UNPACKING

STEP

1

Scope of delivery:

- ADM
- Ethernet cable (crossed type)
- Power cable
- 2x 19'' brackets
- Card with login information
- Router (Option, needs to be ordered separately)

You'll get a package with all the pieces above. Please handle the package carefully. Do not use a knife to open the package to prevent scratching the ADM. The following image shows the scope of delivery.

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FIRST START UP

STEP

2

To start the device, you will need a laptop, the power cable, an Ethernet cable (crossed type), and an electrical outlet. Once you have all the components assembled, plug the ADM into the power outlet.

Now there are two different scenarios of starting your ADM.

Scenario 1:

Plug the crossover ethernet cable between your laptop and the diagnose port (DIAG) of the ADM (see picture on the next page)

(hint: we use the ADM serial as the host name)

Scenario 2:

You connect the ADM to the company network using a company approved ethernet cable, then you connect your laptop also to the company network.

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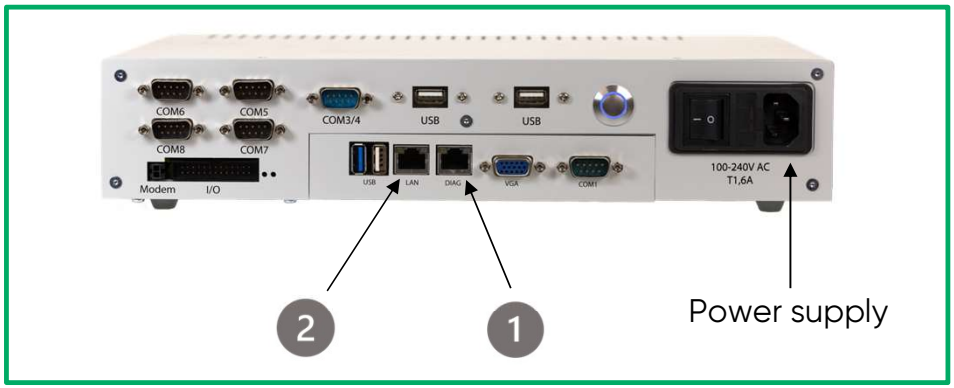
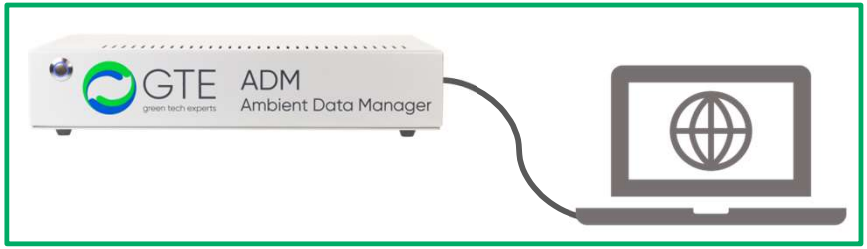
STEP 2 – FIRST START UP



You should know the IP address of the ADM, if you don't then you should ask the network administrator to provide the IP address of the ADM within the company network. Alternatively, you can connect the VGA-Screen to the ADM and check the IP address.

The Laptop will now receive an IP address from the ADM. Open a browser and type in the address/URL bar:

172.27.1.17



It may occur that when entering the URL, the website is displayed as not secure. You should disregard this and proceed with the URL.

A pass token is needed for the viewer mode. When you want to login to the expert mode click on show expert. The login credentials are provided on a card sticked to the ADM.

Now, the ADM needs to be configured. The main points are:

- Logger configuration
- Global configuration
- User configuration

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USER INTERFACE

STEP

3

We kindly ask you to use one of these browsers and please ensure the respective updates are done:

- Edge
- Firefox
- Chrome
- Safari

! Java Script must be activated on your web browser.

! It might also be possible to use other browsers like e.g., Opera

! Older versions of the mentioned browsers might work, but these may not display the website 100% correctly.

Expert Mode:

- Simplified system configuration and maintenance
- Routines activities triggered by several sources (automated data workflow)

Viewer Mode:

- Dashboard
- Live Diagram

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STEP 3 – USER INTERFACE

Dashboard:

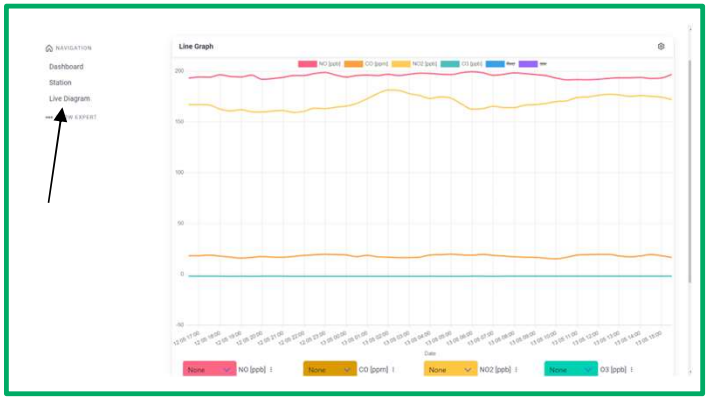
The dashboard has different states. The measurement values and the states of the respective devices can be either valid or unknown. The device itself can also be in various states, such as Calibration Mode. It may also indicate that the measuring device has an error.

There are 3 different states of the dashboard itself: green, yellow and red.

The states are shown in the circles and not in the fields of the parameters. Green indicates that everything is running smoothly, while yellow means maintenance and a foreseeable issue. Red signifies that the system has encountered an error, or the parameter is not given.

Live Diagram:

The data can be represented in a simple line graph. For further information on visualization, please refer to the manual.



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FOR MORE DETAILS

For more information and guidance please check the QR-Code below:

SPECIFICATION

Dimensions:
33.5cm x 23.5 cm x 6.5 cm (1.5 HU)

Weight:
2.6 kg

Line voltage: 100-240 VAC
Power consumption: max 50 W, average 12 W/h
Fuse: 1.6 A slow blow
Industrial PC:
SSD (2.5''): ≥ 500 GB
COM ports: 6
LAN ports: 2
Analog Inputs: 8 (0-10 V/0-20 mA)
Digital Inputs: 6 (0-5 V max)
Relay Output: 4

USV for buffering short
breaks in line voltage.