

# Meteo-42A

Meteo-42 improvements: Three RS-485 ports \* Faster processors \* Better grounding for more accurate analog measurements \* More flexible switches.



## Description

Meteo-42 is easy to configure – from your office or directly on site – using the same communication tools and software as the Meteo-40 plus: [AmmonitConnect](#) and [AmmonitOR cloud](#). Our data loggers are easy to install and work reliably worldwide.

Meteo-42 brings those technical innovations:

- Three RS-485 ports
- Faster processors
- Better grounding for more accurate measurement of analog quantities
- More flexible switches.

Meteo-42 will be available from August 2023 at the same price as Meteo-40 plus.

## Specifications

| Meteo-42A      |                         |   | Description / Device   |
|----------------|-------------------------|---|--|
|                | Order Number            | M40150  |  |
| Input Channels | Pulse Counters          | 2   | Anemometers, precipitation sensors   |
|                | Digital Serial (Status) | 4   | Wind vanes serial, precipitation monitors, ext. activation                                 |
|                | Analog Voltage          | 14<br>± 0.1 V,<br>± 1 V,<br>± 10 V,<br>16 bit | Air pressure, temperature, humidity sensors, pot. wind vanes, pyranometers, pyrheliometers |

| Meteo-42A              |                              |  | Description / Device   |
|------------------------|------------------------------|--|--|
|                        | RS485 (Client)               | 2 RS485 Client Interfaces  | Ultrasonic anemometers and smart sensors   |
| Output Channels        | RS485 (S)                    | (1) RS485 Server   | SCADA monitoring software  |
|                        | 5V Switches                  | 4  | Sensor supply, relay for modem, heating supply   |
|                        | Current Source               | 1  | Pt1000, Pt100  |
|                        | Reference Voltage Source     | 1  | 5 Volt reference source  |
| Connectivity           | USB                          | (2) USB-A host (USB 2.0 High Speed)<br>(1) USB-B device (USB 2.0 High Speed) | PC, modem, memory stick, WiFi, GPS, camera   |
|                        | Ethernet                     | (1) Ethernet   | Router, satellite modem, LAN and SCADA output  |
|                        | Data transfer                | Email, FTP, SCP, SFTP, FTPS, data copy on USB flash drive, SCADA, API        | From Meteo-42 data logger and from AmmonitOR Data Cloud  |
|                        | Data cloud                   | AmmonitOR Data Cloud   | <a href="https://or.ammonit.com">https://or.ammonit.com</a><br>Data Cloud for campaign monitoring  |
|                        | Remote access to Data Logger | Ammonit Connect Remote Access to Data logger                                 | <a href="https://&lt;serialnumber&gt;.connect.ammonit.com/">https://&lt;serialnumber&gt;.connect.ammonit.com/</a><br>Remote web UI access to data logger for configuration |
|                        | Live data                    | XMPP messages  | Ammonit Live Data Suite with PubSub server, server side data collection, and web app for immediate transmission and display of measurement data                            |
|                        | Storage Size                 | Source Data (1-sec data)   | 2 GB   |
| CSV Data (10-min data) |                              | 0,5 GB   | enough for ≤ 15 years  |

| Meteo-42A            | Description / Device  |
|----------------------|---|
| Display & Keys       | (20 x 4) LC display with backlight, five keys                 |
| Power Supply         | 9 ... 36 V DC   |
| Operat. temperature  | -40 ... +65 °C  |
| Protection (Housing) | IP65  |
| Housing Dimensions   | 260 x 194 x 67 mm   |
| Weight               | 1110 g  |
| Accessories          | External modules, plug connector, mounting kit, steel cabinet |