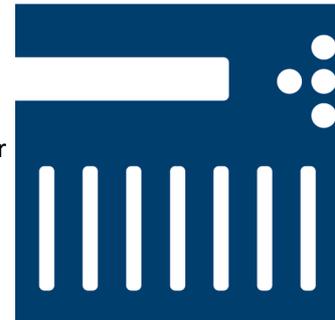


Meteo-40A plus



Meteo-40A plus Data Logger is especially designed for Automatic Weather Stations (AWS) and Solar Measurement.

Description

Convenient collection, storage and processing of weather data

Ammonit’s Meteo-40A plus data logger has been designed to connect Automatic Weather Stations (AWS) in remote areas. The data logger ensures accurate and reliable measurement of the most important meteorological data such as wind speed, wind direction, temperature, humidity, as well as air pressure and solar radiation. Additional sensors, e.g., for precipitation or visibility can be connected.

Ammonit’s Meteo-40A plus offers different input and output channels and can conveniently be extended by implementing additional adapters. Hence, this data logger can efficiently measure all required meteorological and environmental parameters in a campaign.

Ammonit’s Meteo-40A plus is suitable for all climates and remote regions thanks to low power consumption and maintenance work.

Specifications

| Meteo-40A plus | | Description / Device | |
|----------------|-------------------------|--------------------------------------------|----------------------------------------------------------------------------------|
| | Order Number | M41000 | |
| Input Channels | Pulse Counters | 2 | Precipitation sensor, anemometer |
| | Digital Serial (Status) | 4 | Wind vane serial, precipitation monitor |
| | Analog Voltage | 12 ± 0.1 V, ± 1 V, ± 10 V 16 bit | Pyranometers, air pressure sensors, temperature humidity sensors, pot. wind vane |

| Meteo-40A plus | | | Description / Device |
|-----------------|--------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------|
| | Analog Current | 2 ± 1 mA, ± 10 mA, ± 100 mA 16 bit | Sensors with DC output, e.g., temperature humidity sensor (0 ... 20 mA) |
| | RS485 (M) | (1) RS485 Master | Smart weather stations, pyrano-meters |
| Output Channels | RS485 (S) | (1) RS485 Slave | SCADA monitoring software |
| | 5V Switches | 4 | Sensor supply, relay for modem, heating supply |
| | Current Source | 2 | Pt1000, Pt100 |
| Connectivity | USB | (2) USB-A host (1) USB-B device | PC, modem, USB flash drive, Ethernet, WiFi, GPS, web cam |
| | Ethernet | (1) Ethernet | LAN, router, media converter, sat.modem, outdoor camera |
| Storage Size | Source Data (1-sec data) | 1 GB | |
| | CSV Data (10-min data) | > 50 MB | |
| | Display & Keys | (20 x 4) LC display with backlight, five keys | |
| | Power Supply | 9 ... 36 VDC | |
| | Operat. temperature | -40 ... +65 °C | |
| | Protection (Housing) | IP65 | |
| | Housing Dimensions | 260 x 194 x 50 mm | |
| | Weight | 950 g | |
| | Accessories | External modules, plug connector, mounting kit, steel cabinet | |