

Designed for:

- Automatic Weather Stations
- Solar Measurement



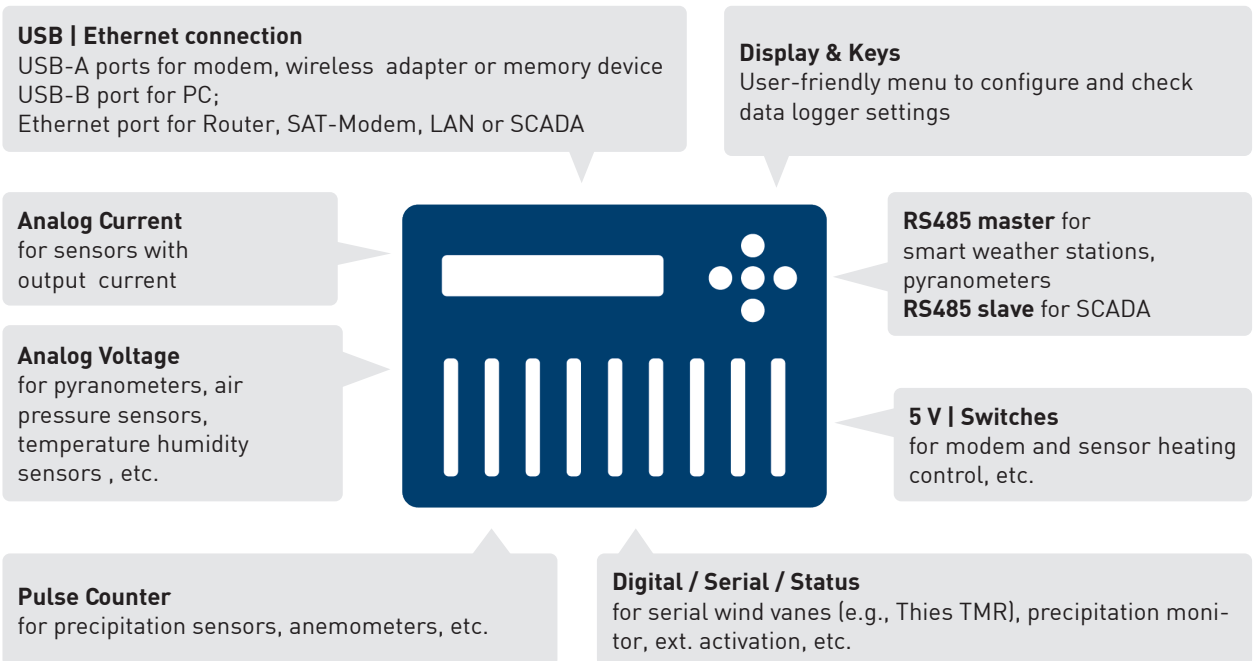
Convenient collection, storage and processing of weather data

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.

Various inputs and outputs for different measurement purposes



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 $\pm 0.1\text{ V}$, $\pm 1\text{ V}$, $\pm 10\text{ V}$ 16 bit Pyranometers, air pressure sensors, temperature humidity sensors, pot. wind vane
	Analog Current	2 $\pm 1\text{ mA}$, $\pm 10\text{ mA}$, $\pm 100\text{ mA}$ 16 bit Sensors with DC output, e.g., temperature humidity sensor (0 ... 20 mA)
	RS485 (M)	(1) RS485 Master Smart weather stations, pyranometers
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	(20x4) 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	