Meteo-42L

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-42L			Description / Device
	Order Number	M31050	
Input Channels	Pulse Counters	12	Anemometers, precipitation sensors
	Digital Serial (Status)	7	Wind vanes serial, precipitation monitors, ext. activation
	Analog Voltage	14 ± 0.1 V, ± 1 V, ± 10 V, 16 bit	Air pressure, temperature, humidity sensors, pot. wind vanes, pyranometers, pyrheliometers

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Meteo-42L			Description / Device
	RS485 (Client)	3 RS485 Client Interfaces	Ultrasonic anemometers and smart sensors
Output Channels	RS485 (S)	(1) RS485 Server	SCADA monitoring software
	5V | Switches	9	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) (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	https://or.ammonit.com Data Cloud for campaign monitoring
	Remote access to Data Logger	Ammonit Connect Remote Access to Data logger	https://<serialnumber>.connect.ammonit.com/ 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	enough for 6-12 months
	CSV Data (10-min data)	0,5 GB	enough for ≤ 15 years

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Meteo-42L	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

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