

# Meteo-42 Data Logger



- Compliant with IEC 61400-12-1:2017
- User-friendly configuration via multilingual web interface
- Secure IT architecture
- Several inputs and outputs for various measuring purposes
- Sensor library and channel overview

#### MORE DIGITAL INPUT CHANNELS

Up to three RS485 client interfaces

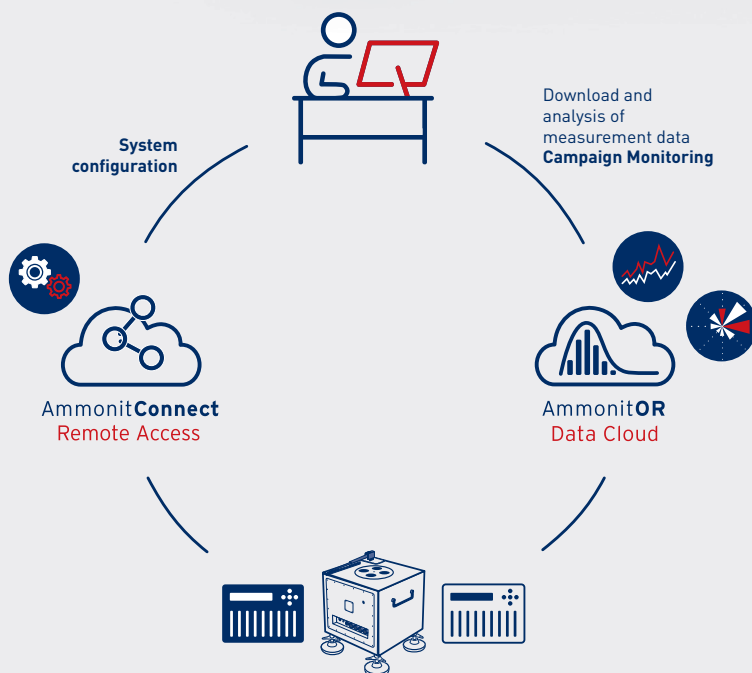
- For more smart sensors and
- Sensors speaking different protocols or
- Sensors working with different baudrates

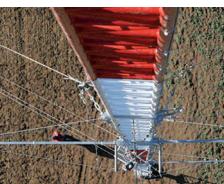
#### NEW PROCESSOR

- More space for measurement data
- Faster data calculation
- Speedy user interface

#### SAME SOFTWARE

Same user interface  
All features from Meteo-40 and Meteo-40 plus available





Wind Resource Assessment



Power Performance Measurements



Wind Park Monitoring/ SCADA



Wind Measurement in Cold Climate




Dynamic Line Monitoring



Solar Park Monitoring



Automatic Weather Station

		Meteo-42			Description
		M	L	A	
Input Channels	<b>Pulse Counters</b>	8	12	2	Anemometers, precipitation sensors
	<b>Digital Serial (Status)</b>	4	7	4	Wind vanes serial, precipitation monitors, ext. activation
	<b>Analog Voltage</b>	8 ± 0.1 V, ± 1 V, ± 10 V, 16 bit	14 ± 0.1 V, ± 1 V, ± 10 V, 16 bit	14 ± 0.1 V, ± 1 V, ± 10 V, 16 bit	Air pressure, temperature, humidity sensors, pot. wind vanes, pyranometers, pyrhemeters
	<b>RS485 (Client)</b>	2 RS485 Client Interfaces	3 RS485 Client Interfaces	2 RS485 Client Interfaces	Ultrasonic anemometers and smart sensors
Output Channels	<b>RS485 (S)</b>	(1) RS485 Server			SCADA monitoring software
	<b>5 V   Switches</b>	4	8	4	Sensor supply, relay for modem, heating supply
	<b>Current Source</b>	1	1	1	Pt1000, Pt100
	<b>Reference Voltage Source</b>	1	1	1	5 Volt reference source
Connectivity	<b>USB</b>	(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
	<b>Ethernet</b>	(1) Ethernet			Router, satellite modem, LAN and SCADA output
	<b>Data transfer</b>	Email, FTP, SCP, SFTP, FTPS, data copy on USB flash drive, SCADA, API			From Meteo-42 data logger and from AmmonitOR Data Cloud
	<b>Data cloud</b>	AmmonitOR Data Cloud			<a href="https://or.ammonit.com">https://or.ammonit.com</a> Data Cloud for campaign monitoring
	<b>Remote access to Data Logger</b>	Ammonit Connect Remote Access to Data logger			<a href="https://&lt;serialnumber&gt;.connect.ammonit.com/">https://&lt;serialnumber&gt;.connect.ammonit.com/</a> Remote web UI access to data logger for configuration
	<b>Live data</b>	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	<b>Source Data (1-sec data)</b>	2 GB			enough for 6-12 months
	<b>CSV Data (10-min data)</b>	0,5 GB			enough for ≤ 15 years
<b>Display &amp; Keys</b>		(20 x 4) LC display with backlight, five keys			
<b>Power Supply</b>		9 ... 36 V DC			
<b>Operat. temperature</b>		-40 ... +65 °C			
<b>Protection (Housing)</b>		IP65			
<b>Housing Dimensions</b>		260 x 194 x 67 mm			
<b>Weight</b>		1110 g			
<b>Accessories</b>		External modules, plug connector, mounting kit, steel cabinet			

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