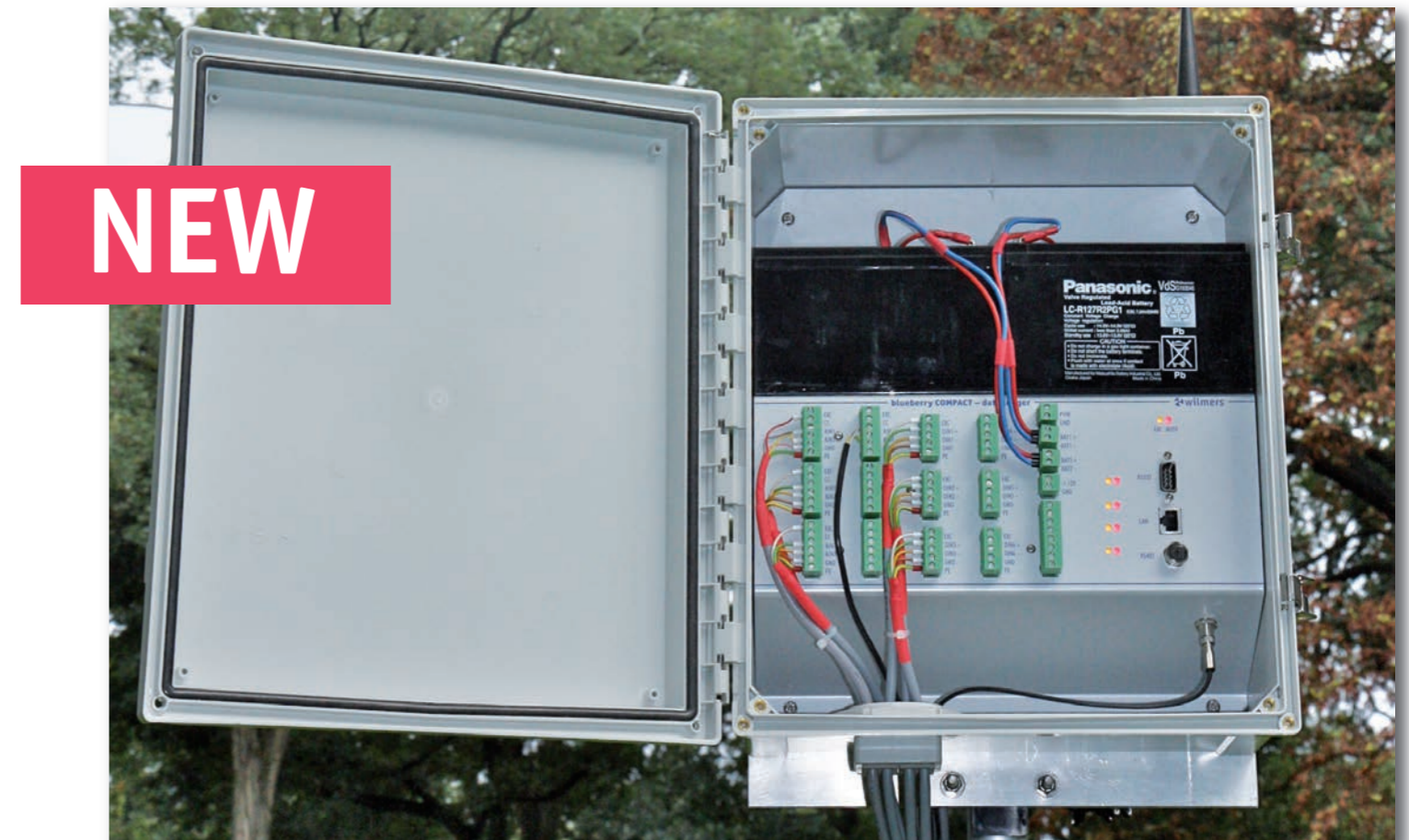


## Technical Data

<b>Measurement inputs</b>		<b>Communication</b>	
Digital measurement inputs	10	Ethernet interface	(LAN), 10 MBit/s
Analogue measurement inputs	6 x differential or 12 x single-ended	Remote data transmission	integrated GSM / GPRS Modem, (quadband)
Serial inputs	RS485, half-duplex 1,200 .. 115,200 baud	Automatical data transmission	via eMail
<b>Digital measurement inputs</b>		Internet integration	via GPRS / CDMA / DSL / Satellite
Measurement range	0 .. 2,000 Hz frequency or counter	User interface	Web interface, Internet browser
Resolution	0.01 Hz	<b>Power supply</b>	
Accuracy	frequency $\pm 0.1\%$ counter $\pm 1$ pulse	External power supply	solar module, integrated charge controller
Signal level	TTL / AC / potential free switch	Internal power supply	2 sealed lead batteries 12 V
Input impedance	300 k $\Omega$	Current consumption	typ. 600 mW (50 mA @ 12 V)
<b>Analogue measurement inputs</b>		Sensor excitation	12 VDC switched, constant current supply
Measurement range	$\pm 15$ V differential, 0 .. 15V single-ended	Switching outputs	4 switching outputs, HI = supply voltage, LO = 0 V, time or event triggered
Resolution	16 Bit autoranging, max. resolution 10 $\mu$ V	Surge protection	multistage protection for all sensors
Accuracy	$\pm 0.1\%$ of reading $\pm 100$ $\mu$ V	<b>Mechanics + operating conditions</b>	
Input impedance	1 M $\Omega$	Casing	350 x 390 x 200 mm, IP64, polycarbonate
<b>Measurement functions</b>		Connections	plugged screw terminals, RJ45
Measurement interval	1 s .. 24 h	Temperature range	-40 .. +70 $^{\circ}$ C
Statistic interval	1 s .. 24 h		
Statistic functions	average (arithmetic + vectorial), standard deviation (arithmetic + vectorial), minimum, maximum, sum		
Data memory for statistic time series	32 MB non-volatile ring buffer		
Data memory for samples	32 MB non-volatile ring buffer		

# blueberry COMPACT Data Logger



The economical solution for wind site assessment, environmental monitoring and meteorological research

Your distributor

# The blueberry COMPACT All-In-One Data Logger System



*climate research*



*wind site assessment*



*SCADA wind and solar site monitoring*



*environmental monitoring*

The **blueberry COMPACT** is an all-in-one data logger system based on our proven **blueberry NDL485** technology. The integration of all components of the data logger system into a compact enclosure makes the **blueberry COMPACT** a powerful and attractively priced data logger for wind site assessment, environmental monitoring and meteorological research.



## compact design

All components of the data logging system are integrated in a rugged weatherproof housing.



## automatical alarm messages

Alarm messages via eMail and SMS indicate power supply and sensor failure.



## integrated overvoltage protection

Surge protection for all data and power supply terminals. No need for expensive extra protection modules.



## integrated GPRS modem

Worldwide remote data transmission via integrated quadband GSM/GPRS modem.



## inputs for opto, AC and reed switch anemometers

10 digital measurement inputs for virtually any anemometer type. Direct connection of AC signals, e.g., from R.M.Young Wind Monitor.



## realtime access via Internet

Internet integration via GPRS/CDMA/DSL/Satellite. Easy local and remote access via web browser. Automatical data transmission via eMail, FTP and SCP.



## high resolution analogue inputs

6 differential or 12 single-ended analogue inputs. Pt100 temperature sensors and pyranometers can be connected directly without external amplifiers.



## integrated charge controller

The integrated solar charge controller manages the backup batteries.



## control outputs

4 digital outputs switch external devices and activate alarms.