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GPRS Data Logger And D2W Internet Portal

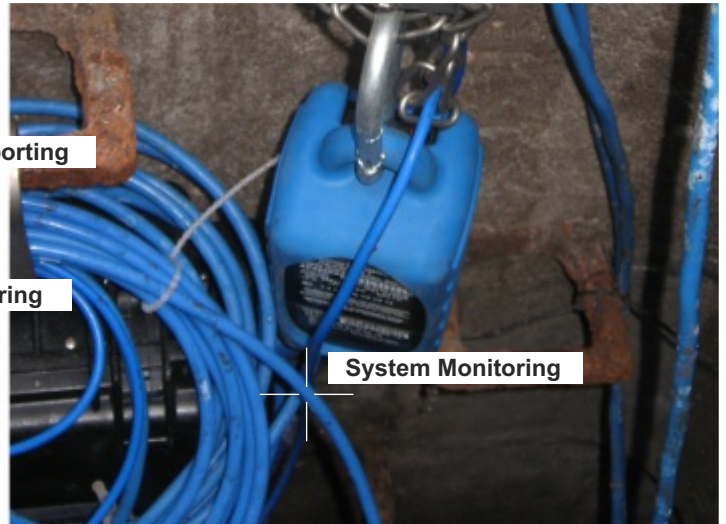


unlimited access to your data



Reporting

Limit Value Monitoring



System Monitoring



Alarms

Control



Parameter Setting

GPRS DATA LOGGER D2W Internet Portal

GPRS Data Logger

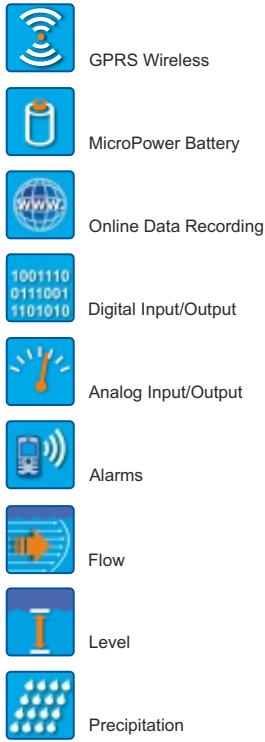
The NIVUS GPRS data loggers enable stand-alone operation of measurement places e.g. for level and tank monitoring, level measurement and limit level monitoring independent from mains power. Recorded data are transmitted to the D2W Internet portal using GPRS.

Excellent energy efficiency, reliable and stable transmission of readings and the sturdy construction of the data loggers allow to establish an almost maintenance-free and cost-efficient measurement data network.

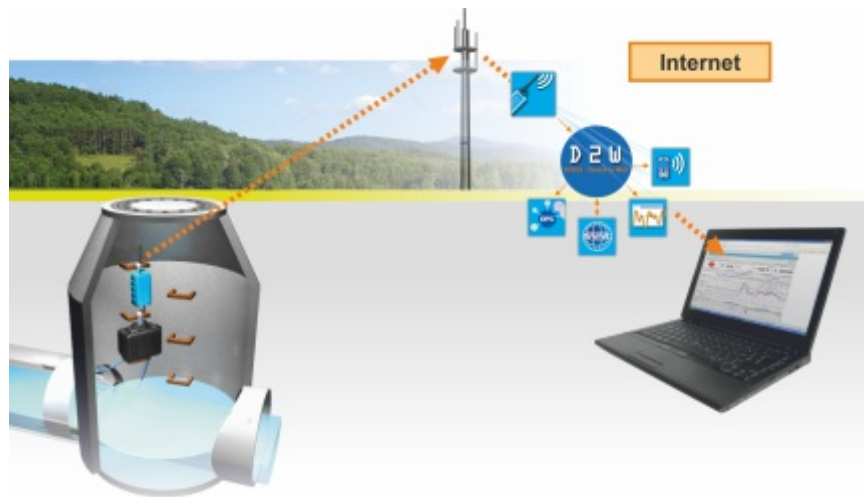
D2W Internet Portal - Device to Web

The "D2W - Device to Web" Internet portal is a comprehensive data management system saving the measurement data transmitted from the data logger via GPRS. Moreover there is a variety of options available for the direct analysis of measurement data, for system monitoring, forwarding of data and alarm functions .

Low-Power data logger with GPRS transmission to D2W Internet portal



- Unlimited access to your measurement data via Internet
- Extremely long battery life of up to 5 years possible
- For use in Ex zone 1
- Automatic adoption of existing settings when replacing devices
- Comprehensive possibilities such as remote parameter setting, alarm functions, monitoring and calculation of limit values via D2W - Device to Web Internet portal
- Stable and cost-efficient data transmission
- Measurement and transmission cycles can be set freely
- Secure data connection



NivuLog Prepaid Data Tariffs

Your Benefits:

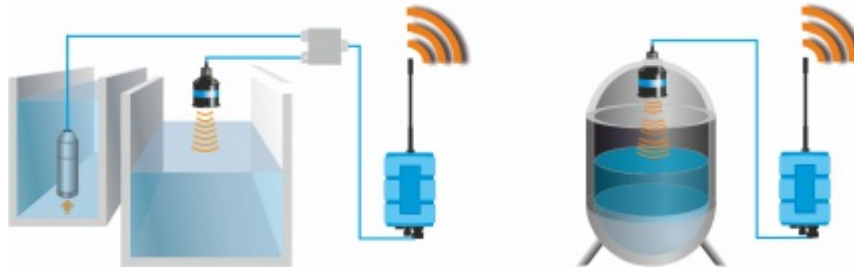


- **Data packages for 5 years**
- **Automatic login with the most powerful GSM network (international)**
 - Highest possible level of reachability and data availability
 - Automatic network switchover if the currently used network should fail
 - Independent of provider even during change of location
- **Free¹ telephone support for measurements, transmission and evaluation from one source**
 - One contact person for all aspects, uncomplicated, comprehensive and quick advice

¹you only pay the usual costs of your telephone provider



GPRS Data Logger



NivuLog Easy

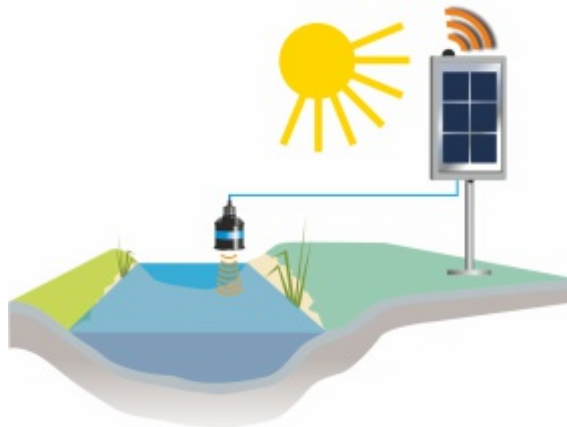


Compact GPRS data logger with 4 inputs

- Compact construction with integrated battery compartment
- Switchable sensor supply voltage
- Built-in measurement value memory, 177 days capacity, protection IP 66
- Real-time synchronised via server
- Very low costs for commissioning and operation

Typical applications

Level monitoring, level measurement in stormwater tanks, rain gauge, silo system monitoring and many more



NivuLog Easy Sun

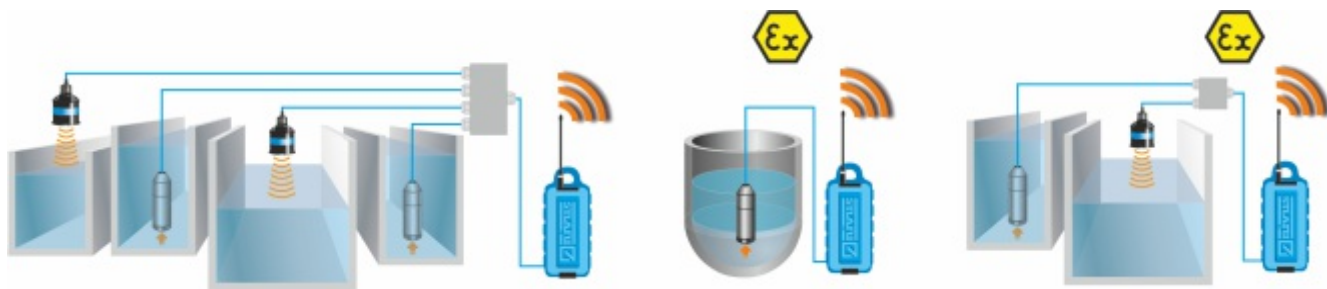


GPRS data logger NivuLog Easy in solar panel enclosure

- Extremely robust enclosure, compact construction
- Solar panel protected by armoured glass
- Built-in rechargeable buffer battery
- Direct connection of sensors using encapsulated terminal compartment

Typical applications

Level monitoring, level measurement in stormwater tanks, rain gauge, silo system monitoring and many more



NivuLog 4 NivuLog 2 Ex N

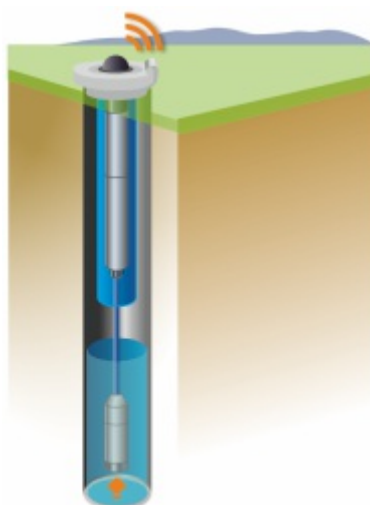


GPRS data logger with 4 inputs
GPRS data logger with 2 inputs for Ex areas

- Use in Ex zone 1 (NivuLog 2 Ex N only)
- Robust IP67 enclosure with protective cover
- Built-in measurement value memory with a capacity of 1349 or 781 days
- Real-time synchronised via server

Typical applications

Measurement in Ex areas (NivuLog 2 Ex N only), level monitoring, level measurement in stormwater tanks, limit level monitoring, volume calculation and many more



Level Data Collector



GPRS level measurement system with pressure probe

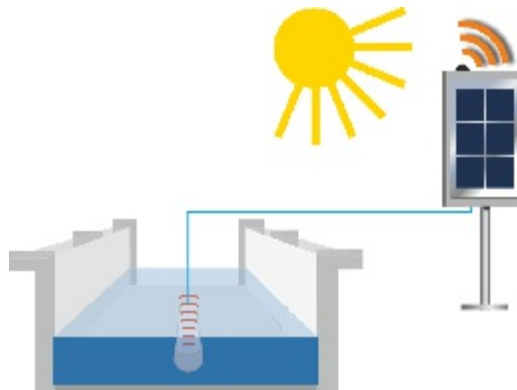
- Extremely robust stainless steel enclosure, protection IP68
- Data transmission via GPRS
- Terminal clamps for 2-wire systems such as pressure probes or compact echo sounder. This allows to connect any sensor without problems

Typical applications

Level measurement



GPRS Data Logger - Flow



NivuLog SunFlow

Solar-powered flow measurement station with integrated GPRS data transmission



- Independent and self-sufficient flow measurement station
- Extremely robust enclosure, compact construction
- Built-in rechargeable buffer battery and recharge control
- Direct connection of sensors using encapsulated terminal compartment

Typical applications

Flow measurement in stormwater tanks, channel networks, irrigation channels, mine water cleaning plants, natural streams and many more



NivuLog PCM NivuLog PCM Ex

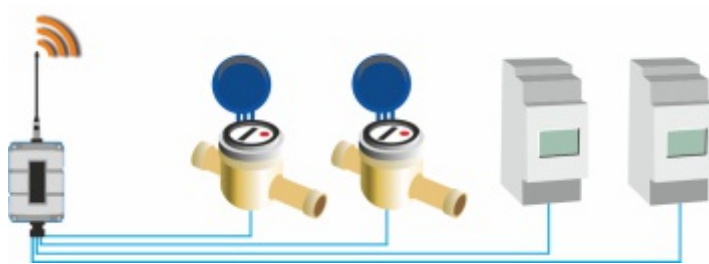
GPRS data logger for direct connection to PCM 4 (no Ex)
GPRS data logger for direct connection to PCM Pro (Ex)



- Transmission of measurement and analysis channels from PCM units
- Use in Ex zone 1 (only NivuLog PCM Ex)
- Robust IP67 enclosure with protective cover
- Built-in measurement value memory with a capacity of 571 days
- Real-time synchronised via server

Typical applications

Connection to PCM, measurement in Ex areas (only NivuLog PCM Ex), flow monitoring, limit value alarms, PCM battery monitoring, optimisation of maintenance cycles and many more



NivuLog Nano AMR

Compact GPRS data logger with 4 counter inputs



- Compact construction with very high tightness, protection IP68
- Individual alarm rules for various scenarios
- Built-in failsafe SIM chip
- Long-life battery for extremely long lifetime

Typical applications

Water meter, energy meter, remote counter readout

D2W INTERNET PORTAL

D2W - Device to Web

Internet data portal for efficient administration of measurement data, measurement places and unit management



test D2W: www.nivus.de

- Access to measurement data via world-wide-web
- The most important system parameters at one sight
- Graph or table views
- Alarm functions
- No need to install additional software
- Low hardware requirements
- Easy user administration
- Automatic data export with standard interchange formats possible
- Event recording on stormwater overflow tanks

The D2W - Device to Web software receives readings and system data transmitted via GPRS from the NIVUS device family and saves the data on secure NIVUS data servers. System backups and redundant systems guarantee virtually 100 % data availability. The "D2W - Device to Web" data portal can be easily accessed via Internet without the need to install additional software. In password-protected areas there are many options available for the direct visualisation of measurement data, function tests and data forwarding through alarm functions via SMS or e-mail.

Permanent data access allows to directly react in case of malfunctions, to avoid damage in the event of errors or to monitor the function of special constructions. Expenses can be reduced significantly by minimizing measurement periods, avoiding unnecessary travel costs and maintenance costs such as road-safety, emergency tripod and sewer aeration.



	NivuLog Easy	NivuLog Easy Sun NivuLog SunFlow	Level Data Collector
			
Inputs	Multi-function inputs, 4 x analog / digital	Easy Sun: multi-function inputs, 4 x analog / digital SunFlow: 1 compact Doppler active sensor type KDS	0/4 - 20 mA for external sensor
Outputs	1 x digital	1 x digital (Easy Sun only)	-
Input configuration	0/4 - 20 mA, 0 - 2 V, 0 - 10 V, Trigger, PWM, day counter, interval & frequency counter	0/4 - 20 mA, 0 - 2 V, 0 - 10 V, Trigger, PWM, day counter, interval & frequency counter	-
Sensor supply	15 V DC (66 mA) Optional: 24 V DC (41 mA)	Easy Sun: 15 V DC (66 mA) Optional: 24 V DC (41 mA) SunFlow: 24 V DC (41 mA)	15 V DC (66 mA)
Memory*	177 days	Easy Sun: 177 days SunFlow: 97 days	70 days (60 min. recording cycle)
Supply	Battery or rechargeable battery pack, external power supply possible (7 - 30 V DC)	Solar / rechargeable battery pack	Battery
Transmission interval	Wake up / online mode, event-based; cyclic from 10 min, free configurable	Wake up / online mode, event-based; cyclic from 10 min, free configurable	Cyclic from 10 min free configurable event-based
Protection rating	IP 66	IP 68/IP 66	IP 68
Dimensions (h/w/d)	165/86/64 mm	520/308/81 mm	406 mm / ø48,3 mm Probe: 125 mm / ø27 mm

	NivuLog 4	NivuLog 2 Ex N	NivuLog PCM	NivuLog PCM Ex	NivuLog Nano AMR
					
Inputs	Multi-function inputs NivuLog 4: 4 x analog/digital NivuLog 2: 2 x analog/digital		Connection to PCM Pro (Ex) and PCM 4 (non-Ex)		4 x counter
Outputs	-		-		-
Input configuration	0/4 - 20 mA, digital, day counter, interval counter		-		-
Sensor supply	14 V DC (100 mA)		-		3.3 V DC
Memory*	NivuLog 2 Ex N: 1349 days NivuLog 4: 781 days		571 days		118 days
Supply	Rechargeable battery		Rechargeable battery		Standard battery
Transmission interval	Cyclic from 10 min free configurable event-based		Cyclic from 10 min free configurable event-based		Cyclic from 10 min free configurable
Protection rating	IP 67		IP 67		IP 68
Dimensions (h/w/d)	240/100/100 mm		240/100/100 mm		152/86/64 mm

Specifications subject to change. 04.2016 - 1.000 - FA

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