



## GPRS Data Logger And D2W Internet Portal





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.

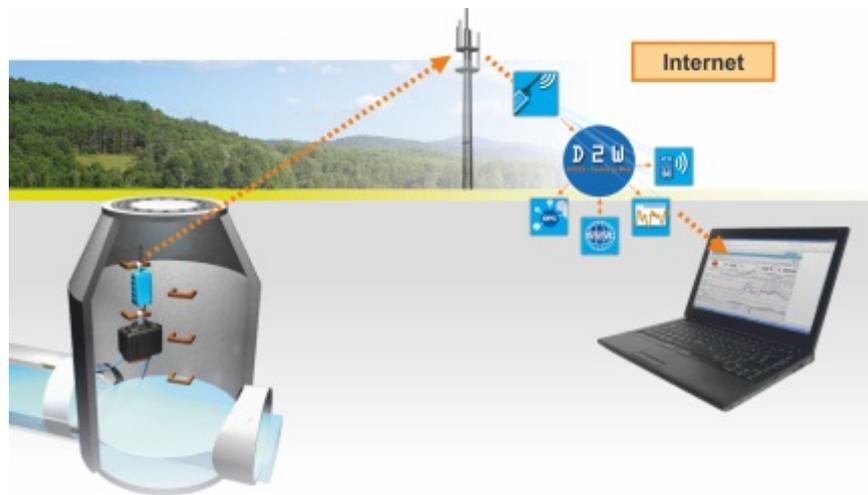
## D2W Internet Portal - Device to Web

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**

-  GPRS Wireless
-  MicroPower Battery
-  Online Data Recording
-  Digital Input/Output
-  Analog Input/Output
-  Alarms
-  Flow
-  Level
-  Precipitation

- 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:**

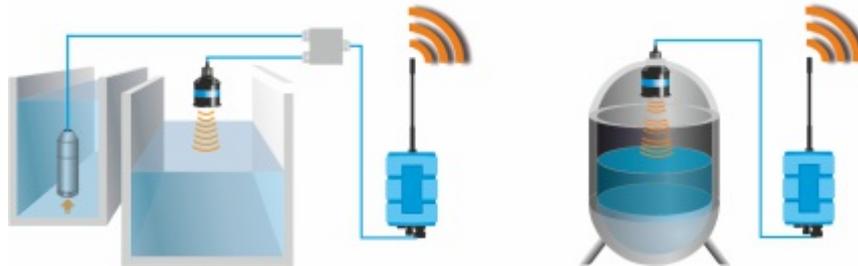


- **Data packages for 5 years**
- **Automatic login with the most powerful GSM network (international)**
  - Highest possible level of reachability and data availability
  - Automatic network switchover if the currently used network should fail
  - Independent of provider even during change of location
- **Free<sup>1</sup> telephone support for measurements, transmission and evaluation from one source**
  - One contact person for all aspects, uncomplicated, comprehensive and quick advice

<sup>1</sup>you only pay the usual costs of your telephone provider



GPRS Data Logger



### NivuLog Easy

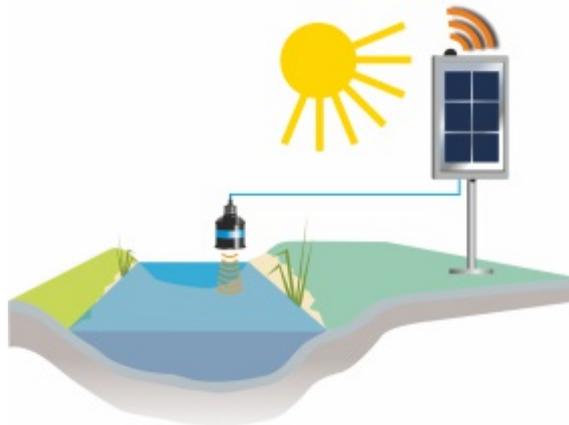


#### Compact GPRS data logger with 4 inputs

- 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

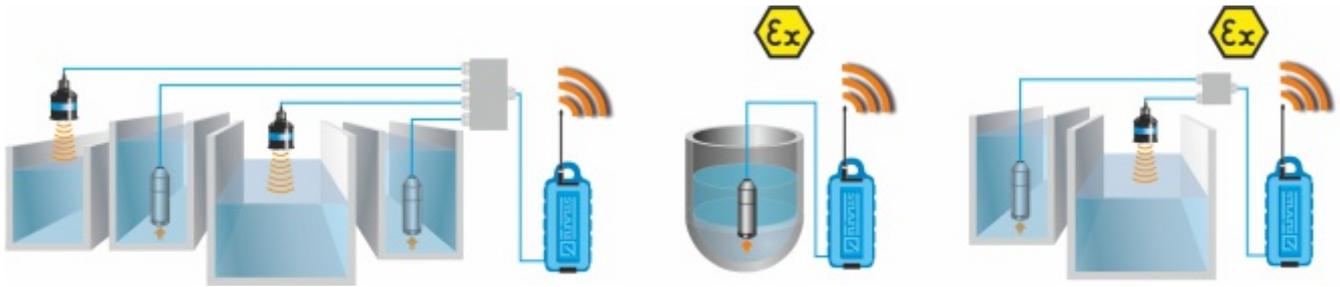


#### GPRS data logger NivuLog Easy in solar panel enclosure

- 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

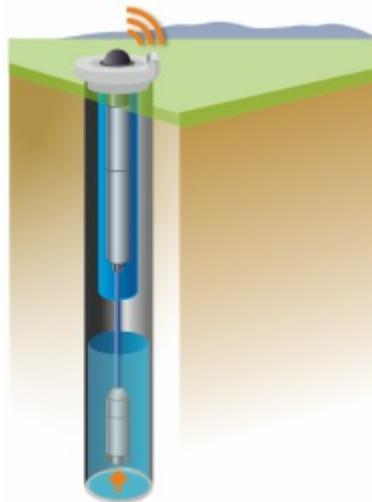
GPRS data logger with 4 inputs  
GPRS data logger with 2 inputs for Ex areas



- 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



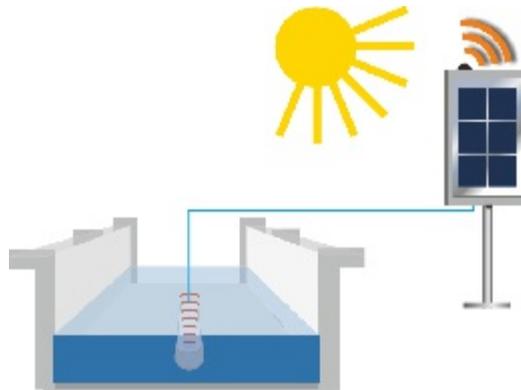
- Extremely robust stainless steel enclosure, protection IP68
- Data transmission via GPRS
- Terminal clamps for 2-wire systems such as pressure probes or compact echo sounder. This allows to connect any sensor without problems

### 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

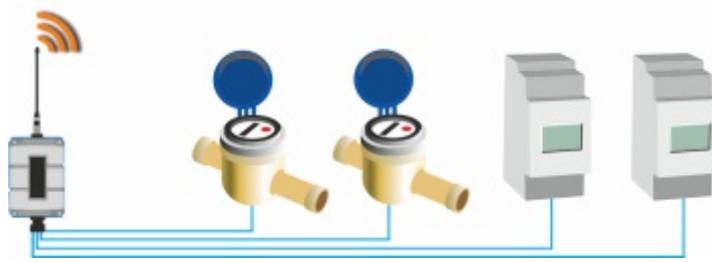
GPRS data logger for direct connection to PCM 4 (no Ex)  
GPRS data logger for direct connection to PCM Pro (Ex)



- 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](http://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.





#### NIVUS GmbH

Im Taele 2  
75031 Eppingen, Germany  
Phone: +49 (0)7262 9191-0  
Fax: +49 (0)7262 9191-999  
E-Mail: info@nivus.com  
Internet: www.nivus.com

#### NIVUS AG

Hauptstrasse 49  
8750 Glarus, Switzerland  
Phone: +41 (0)55 6452066  
Fax: +41 (0)55 6452014  
E-Mail: swiss@nivus.com  
Internet: www.nivus.com

#### NIVUS Austria

Mühlbergstraße 33B  
3382 Loosdorf, Austria  
Phone: +43 (0)2754 567 63 21  
Fax: +43 (0)2754 567 63 20  
E-mail: austria@nivus.com  
Internet: www.nivus.com

#### NIVUS Sp. z o.o.

ul. Hutnicza 3 / B-18  
81-212 Gdynia, Poland  
Phone: +48 (0)58 7602015  
Fax: +48 (0)58 7602014  
E-Mail: poland@nivus.com  
Internet: www.nivus.pl

#### NIVUS France

14, rue de la Paix  
67770 Sessenheim, France  
Phone: +33 (0)3 88071696  
Fax: +33 (0)3 88071697  
E-Mail: france@nivus.com  
Internet: www.nivus.fr

#### NIVUS Ltd.

Head office UK:  
Wedgewood Rugby Road  
Weston under Wetherley  
Royal Leamington Spa  
CV33 9BW, Warwickshire, UK  
Phone: +44(0)7834658512  
david.miles@nivus.com  
Sales office:  
Tel. +44(0)770375 3411  
andy.kenworthy@nivus.com  
Internet: www.nivus.com

#### NIVUS Middle East (FZE)

Building Q 1-1, ap. 055  
P.O. Box: 9217  
Sharjah Airport International  
Free Zone  
Phone: +971 6 55 78 224  
Fax: +971 6 55 78 225  
E-Mail: middle-east@nivus.com  
Internet: www.nivus.com

#### NIVUS Korea Co. Ltd.

#2502, M Dong, Technopark IT Center  
32 Song-do-gwa-hak-ro, Yeon-su-gu,  
INCHEON, Korea 21984  
Phone: +82 32 209 8588  
Fax: +82 32 209 8590  
E-Mail: korea@nivus.com  
Internet: www.nivus.com

	NivuLog Easy	NivuLog Easy Sun NivuLog SunFlow	Level Data Collector
			
<b>Inputs</b>	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
<b>Outputs</b>	1 x digital	1 x digital (Easy Sun only)	-
<b>Input configuration</b>	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	-
<b>Sensor supply</b>	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)
<b>Memory*</b>	177 days	Easy Sun: 177 days SunFlow: 97 days	70 days (60 min. recording cycle)
<b>Supply</b>	Battery or rechargeable battery pack, external power supply possible (7 - 30 V DC)	Solar / rechargeable battery pack	Battery
<b>Transmission interval</b>	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
<b>Protection rating</b>	IP 66	IP 68/IP 66	IP 68
<b>Dimensions (h/w/d)</b>	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
					
<b>Inputs</b>	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
<b>Outputs</b>	-		-		-
<b>Input configuration</b>	0/4 - 20 mA, digital, day counter, interval counter		-		-
<b>Sensor supply</b>	14 V DC (100 mA)		-		3.3 V DC
<b>Memory*</b>	NivuLog 2 Ex N: 1349 days NivuLog 4: 781 days		571 days		118 days
<b>Supply</b>	Rechargeable battery		Rechargeable battery		Standard battery
<b>Transmission interval</b>	Cyclic from 10 min free configurable event-based		Cyclic from 10 min free configurable event-based		Cyclic from 10 min free configurable
<b>Protection rating</b>	IP 67		IP 67		IP 68
<b>Dimensions (h/w/d)</b>	240/100/100 mm		240/100/100 mm		152/86/64 mm

\*10 min. recording cycle