

**myDatanet<sup>at</sup>**



unlimited access  
to your data

unlimited



# access myDatalog Mobile to your data

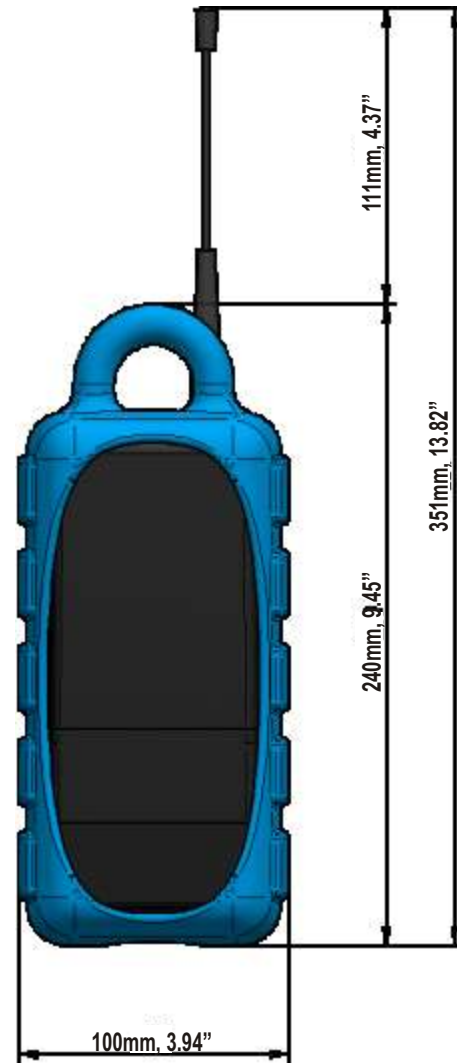
## Application

Portable measurement instrument to acquire and record analogue and digital signals from a standardised interface, to be used in:

- ◆ Sewer systems
- ◆ Industries
- ◆ Public water and sewage systems

## Product Characteristics

- ◆ ATEX-certified for zone 1
- ◆ Automatic reconfiguration upon exchange of instruments
- ◆ Measurement sites may be managed from anywhere around the world via internet
- ◆ Data storage on the instrument up to 440.000 measurements
- ◆ Adjustable measurement and transmission intervals
- ◆ Real time clock synchronised with server
- ◆ Extraordinary battery life time of up to 5 years - MicroPower® technology
- ◆ Compact dimensions
- ◆ Rugged IP67 casing with high resistance against chemicals and with protective rubber outer sleeve
- ◆ Ultra low costs for start-up and operation



## Measurement Examples:

- ◆ level
- ◆ temperature air/water/surface
- ◆ flow
- ◆ rainfall
- ◆ weather station
- ◆ relative humidity
- ◆ pH
- ◆ conductivity
- ◆ CSB
- ◆ pressure

## Standard Interfaces:

- ◆ 0-20mA
- ◆ 4-20mA
- ◆ frequency
- ◆ daily counter
- ◆ continuous counter
- ◆ RS232
- ◆ RS485
- ◆ Hart

Technical Data	myDatalog2Ex	myDatalog232	myDatalog4	myDatalogHART
inputs	2x analogue (0/4...20mA, 12bit ADC) or 2x digital (0/14V, 1x impulse) pulse width min. 20ms	RS232 - interface or RS485 (similar)	4x analogue (0/4...20mA, 12bit ADC) or 4x digital (0/14V, 1x impulse) pulse width min. 20ms	HART- interface 14V loop power multidrop-mode for 8 instruments
input set	0...20mA, 4...20mA, digital, day counter, interval counter	protocols on request	0...20mA, 4...20mA, digital, day counter, interval counter	HART protocol
sensor power supply	14 VDC max. 100mA	14 VDC max. 100 mA	14 VDC max. 100 mA	14 VDC max. 100 mA
ambient temperature	-10°C...40°C / 14°F...104°F	-10°C...40°C / 14°F...104°F	-20°C...50°C / -4°F...122°F	-20°C...50°C / -4°F...122°F
ambient relative humidity	15%...90% r.H.	15%...90% r.H.	15%...90% r.H.	15%...90% r.H.
measurement storage	440.000 measurements	440.000 measurements	440.000 measurements	440.000 measurements
measurement interval	from 1 minute, freely adjustable	from 1 minute, freely adjustable	from 1 minute, freely adjustable	from 1 minute, freely adjustable
transmission	GPRS Quad-Band	GPRS Quad-Band	GPRS Quad-Band	GPRS Quad-Band
transmission interval	from 10 minutes, freely adjustable	from 10 minutes, freely adjustable	from 10 minutes, freely adjustable	from 10 minutes, freely adjustable
monthly data volume	< 5 MB*	< 5 MB*	< 5 MB*	< 5 MB*
power supply	battery or accumulator pack	battery or accumulator pack	battery or accumulator pack	battery or accumulator pack
battery lifetime	up to 3 years**	up to 3 years**	up to 5 years**	up to 5 years**
indication	LED for instrument status	LED for instrument status	LED for instrument status	LED for instrument status
indication via mobile phone or internet	instrument status - active and alarm, GSM- level, battery, temperature, measurements	instrument status - active and alarm, GSM- level, battery, temperature, measurements	instrument status - active and alarm, GSM- level, battery, temperature, measurements	instrument status - active and alarm, GSM- level, battery, temperature, measurements
configuration	USB-interface	USB-interface	USB-interface	USB-interface

## General Data

casing	resistant and rugged casing PPE with protective rubber outer sleeve TPE	resistant and rugged casing PPE with protective rubber outer sleeve TPE	resistant and rugged casing PPE with protective rubber outer sleeve TPE	resistant and rugged casing PPE with protective rubber outer sleeve TPE
dimensions H/W/D mm(")	240/100/100 (9.45"/ 3.94"/3.94")	240/100/100 (9.45"/3.94"/3.94")	240/100/100 (9.45"/ 3.94"/3.94")	240/100/100 (9.45"/3.94"/3.94")
weight	approx. 1850g (4.079lb)	approx. 1850g (4.079lb)	approx. 1650g (3.638lb)	approx. 1650g (3.638lb)
ATEX	EEX II 2G EEx ib mb IIB T4	EEX II 2G EEx ib mb IIB T4	-	-
protection class of the casing	IP66, IP67, IP68	IP66, IP67, IP68	IP66, IP67, IP68	IP66, IP67, IP68
storage and transportation temperature	-20°C...70°C / -4°F...158°F	-20°C...70°C / -4°F...158°F	-20°C...70°C / -4°F...158°F	-20°C...70°C / -4°F...158°F
safety requirements	EN61010-1, EN60079	EN61010-1, EN60079	EN61010-1	EN61010-1
electromagnetic compatibility	EN61326 class B	EN61326 class B	EN61326 class B	EN61326 class B
inbuilt jack	system jack (other connectors on request)	system jack (other connectors on request)	system jack (other connectors on request)	system jack (other connectors on request)
mounting	optional stainless steel shackle or bracket	optional stainless steel shackle or bracket	optional stainless steel shackle or bracket	optional stainless steel shackle or bracket
order number	206.201	206.203	206.204	206.202

\* at 1 minute measurement interval and 240 minutes transmission interval

\*\* depending on measurement interval, transmission interval and power consumption of the sensor

subject to change without prior notice

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**Microtronics<sup>at</sup>**

Microtronics Engineering GmbH  
Hauptstrasse 7 | A-3244 Ruprechtshofen  
Tel: +43 2756 77180 Fax: +43 2756 77180 33  
office@microtronics.at | www.microtronics.at