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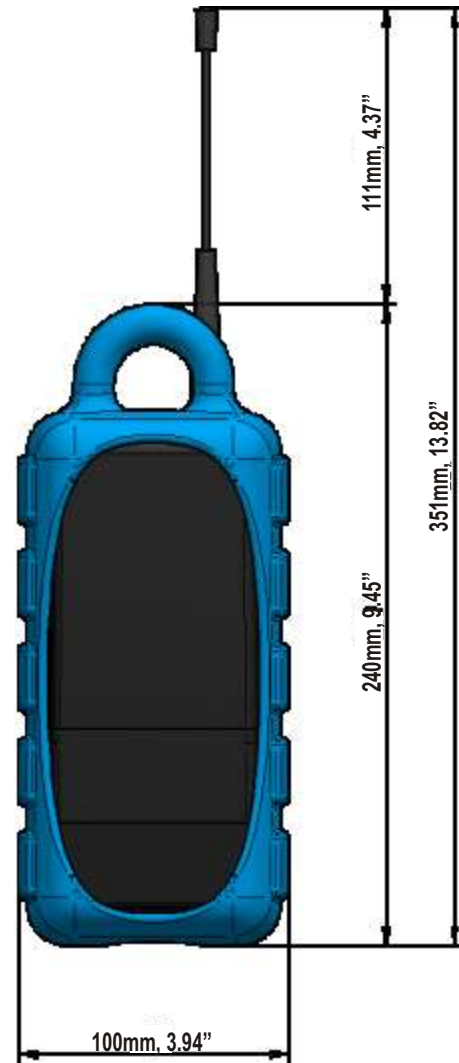
Application

Portable measurement instrument for capture and transmission of gas concentration in air, 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 synchronized with server
- ◆ Extraordinary battery life time of up to 5 years - MicroPower® technology
- ◆ Compact dimensions
- ◆ Rugged IP66, IP67 and IP68 casing with high resistance against chemicals and with a protective rubber outer sleeve
- ◆ Ultra low costs for start-up and operation



Available Sensors:

- | | | |
|-----------------------------------|---------------------------------|--------------------|
| ◆ AsH ₃ | ◆ H ₂ | ◆ NO ₂ |
| ◆ C ₂ H ₄ O | ◆ H ₂ S | ◆ O ₂ |
| ◆ ClO ₂ | ◆ HCL | ◆ O ₃ |
| ◆ CL ₂ | ◆ HCN | ◆ SiH ₄ |
| ◆ CO | ◆ HF | ◆ SO ₂ |
| ◆ CO ₂ | ◆ N ₂ H ₄ | ◆ TBM |
| ◆ COCL ₂ | ◆ NH ₃ | ◆ THT |
| ◆ F ₂ | ◆ NO | |

Technical Data	myDatasensH ₂ S	myDatasensO ₃	myDatasensNH ₃	myDatasensrH
sensor	H ₂ S sensor inbuilt	O ₃ sensor inbuilt	NH ₃ sensor inbuilt	sensor optional
	0...500 ppm or 0...1000 ppm	0...4000 µg/m ³	0...200 ppm	0...100%
	0,1 ... 0,25 ppm resolution	40 µg/m ³ resolution	1 ppm resolution	0,3% resolution
sensor range	2% repetition accuracy	5% repetition accuracy		1% repetition accuracy
temperature range	-	-	-	-40°C...60°C / -40°F...140°F
ambient temperature	-10°C...40°C / 14°F...104°F	-10°C...40°C / 14°F...104°F	-10°C...40°C / 14°F...104°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.
ambient pressure	barometric pressure +/- 10%	barometric pressure +/- 10%	barometric pressure +/- 10%	barometric pressure +/- 10%
protection class of the sensor	IP66	IP66	IP66	IP65
sensor lifetime	24 months in air	24 months in air	24 months in air	-
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 3 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/calibration	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. 1850g (4.079lb)	approx. 1650g (3.638lb)
ATEX	EEX II 2G EEx ib mb IIB T4	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, EN60079	EN61010-1
electromagnetic compatibility	EN61326 class B	EN61326 class B	EN61326 class B	EN61326 class B
inbuilt jack	-	-	-	connector for sensor inbuilt
mounting	stainless steel shackle or optional fastening	stainless steel shackle or optional fastening	stainless steel shackle or optional fastening	stainless steel shackle or optional fastening
order number	206.101 (1000ppm)/206.102(500ppm)	206.110	206.112	206.111

* at 1 minute measurement interval and 240 minutes transmission interval

** with BP457 L ATEX, at 1 minute measurement interval and daily transmission

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

subject to change without prior notice

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Microtronics^{at}

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