

partner for biogas production und biogas recovery

VISIT 03

portable analyser for
biogas and landfill gas

... to provide the best services!



Messtechnik EHEIM GmbH

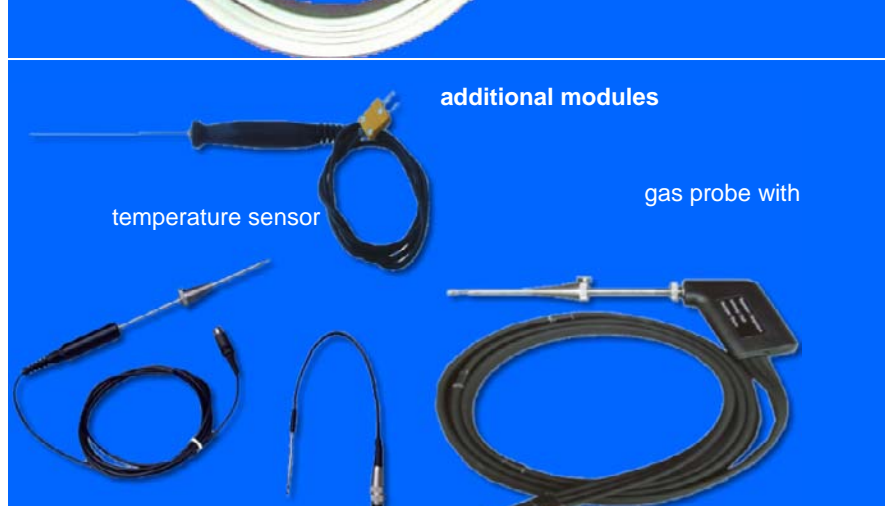
Abgasanalyse-Meßsysteme

VISIT 03

- document bag
- Condensate trap with exchange filter and water stop inlay
- temperature sensor 1 for air temperature
- AUX-socket for further sensors
- temperature sensor 2 for gas temperature
- nipple for gas outlet
- nipple for gas inlet
- nipples for differential pressure
- RS 232 port
- ribbon printer
- inlet gas line



gas analyser



additional modules

temperature sensor

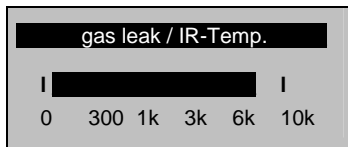
gas probe with

gas probe for underground

VISIT 03 - for high level of safety and low costs

Measuring and checking

- simultaneous measuring of maximum 5 gases
- measuring of pressures and temperatures
 - > direct connection of 2 temperature sensors (optional)
 - > direct connection of pressurised hoses for measuring of differential pressure
 - > connection of external sensors at the AUX-socket (optional):
 - sensor for gas pressure up to 35 bar
 - temperature sensor (2xNiCr-Ni/typ K or infrared)
- tracing of combustible gases by gas detector (optional, AUX)



- leak tightness test (optional)
- Temperature measurement in the flow and return pipes at heat exchangers by twin dip-sensor (optional, AUX)

Safety functions

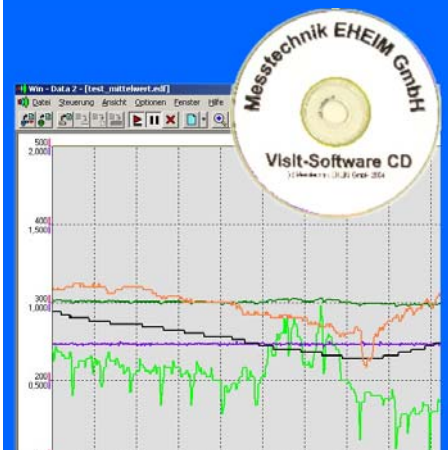
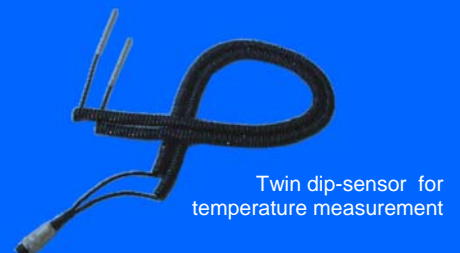
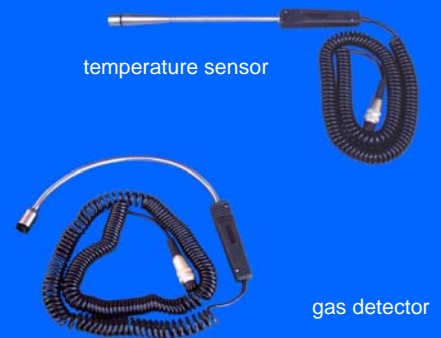
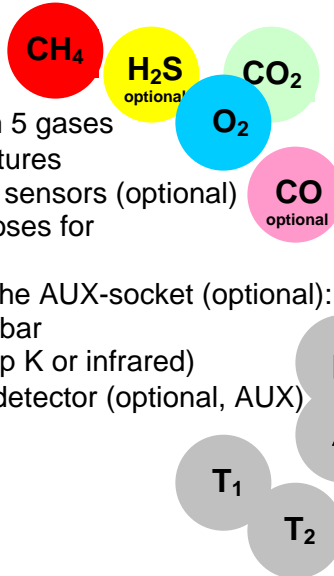
- Flame barrier (optional)
- output nipple for branching gas off
- external peltier cooler (optional)
- external condensate trap

Handling of data

- alphanumeric display at the panel (LCD)
- manual data storage
- automatically data storage with chosen storage interval (optional)
- ribbon printer for authentic document printing
- storage read out at RS232 interface
- data output at analogue ports 0-20/4-20 mA (optional)
- continuous data output via cable or radio (optional)
- graphic data display online at external PC (optional)
- graphic data evaluation with software Win-Data (optional)
- data export to excel and text format

Advantages

- self check after switch on
- suction pump integrated for intake the measure gas
- Short response times of sensors
- alternative between battery and power supply
- inside heating (optional) for short warm up time
- automatically standby for long lived battery
- temperature compensation for better data accuracy
- pressure compensation (optional) for high level data accuracy and long time stability of infrared sensors
- easy of use by:
 - switch on the back lighting of LCD
 - choose best display position for every value
 - online help at every menu





VISIT 07 for pressure and temperature



mobile remote displays



VISIT 01 for flue gas



VISIT 09 gas detector



VISIT 08 for differential pressure



oxygen sensor

VISIT 04 stationary analyser for biogas and landfill gas (continuous measuring)

Range of measurements

value	optional	range
CH ₄		0 up to 100 vol%
H ₂ S	X	0 up to 5.000 ppm
O ₂		0 up to 25 vol%
CO ₂		0 up to 100 vol%
CO	X	0 up to 10.000 ppm
CO (alternativ)	X	0 up to 10 vol%
pressure		± 150 hPa
temperature 1	X	-30 up to +300 °C
temperature 2	X	-30 up to +1200 °C

Technical data

inlet gas flow rate	0,8 L/min
outlet gas flow rate	0,8 L/min
T ₉₀ –response time	20 sec.
warm up time	app. 2,5 min inclusive sensor check
data storage	1000 pieces
data interface	RS 232
case	aluminium
dimensions	430 x 290 x 250 mm (width x height x depth)
weight	app. 9 kg
power supply	110/250 V, 50-60 Hz, 60 W / accumulator 12V/2,2Ah
battery capacity (accumulator)	> 5 hour

Operating condition

allowed temperature of environment	0 up to +45 °C
allowed temperature of storage	-20 up to +50 °C
allowed positive pressure at gas inlet	50 mbar (50 hPa)
allowed negative pressure at gas inlet	50 mbar (50 hPa)
allowed positive pressure at gas outlet	1 mbar (1 hPa)
allowed negative pressure at gas outlet	1 mbar (1 hPa)

Messtechnik EHEIM GmbH

Hauffstr. 23

D – 74193 Schwaigern

Fon: (49) 07138 / 92 05 10

Fax: (49) 07138 / 92 05 12

Mail: inf@messtechnik-eheim.de