



SWG 100compact BIOGAS

BIOGAS ANALYZER



PRICE LIST 2024
VALID 04/01 - 12/31/2024

SWG 100 - BIO GAS ANALYZER compact

The gas analyzer SWG100-BIOcompact is dedicated for discontinuous sampling and measuring biogas mainly from:

- cogeneration heat and power engines (CHP)
- CHP of municipal or industrial waste water treatment sites
- small scale AD plant with dry fermentation
- CHP of landfill gas cogeneration site



Due to technical improvements or changes, picture of analyzer might be changed without notice !

Instrument main features are:

- accurate measurements, incl. plug & play, pre-calibrated sensors, easy field replaceable
- sampling from low suction -100mbar up to high pressure +300mbar gas pipe
- no dilution of sample gas is required
- discontinuous measurement of up to 24 samples per day, with pressure and temperature compensation
- flow restrictor orifice gas inlet for high pressure sampling, with sample gas cut-off in case of alarm
- optional use of internal combustible gas detector (%LEL CH4) for safety reasons
- optional second sampling point measurement
- industry compatible rugged design IP54 , easy and fastest service design
- ready to run delivery, minimum installation work

BASIC ANALYZER CONFIGURATION

- IP54 steel cabinet with anti-corrosive grey structural lacquer
- strong sample gas pump
- integrated condensate trap with condensate draining pump
- solenoid valve for auto-zero with clean ambient air and for manual calibration
- sample gas supply cut-off in case of system alarm, using "fail-safe" solenoid valve (normally closed)
- all stainless steel gas connectors 1/8"ID female threads, suitable for 6mm bulkhead compression fittings (also replaceable by user)
- stainless steel adapter 1/8" female - 1/8" male, with flow restrictor orifice, to be mounted at sample gas inlet in case of high pressure sampling
- human machine interface with color TFT display, keyboard and RS485 interface (Modbus RTU)
- all password protected, intuitive software guided menu, with diagnosis software
- universal power supply 90-240Vac / 47-63Hz / 42W

SWG 100 Biogas analyzer Ready to run after power up			QTY	Part No.	Unit price	Discount	Total Price
SWG 100 BIO compact with - IP54 steel cabinet with anti-corrosive grey structural lacquer • strong sample gas pump • integrated condensate trap with condensate draining pump • solenoid valve for auto-zero with clean ambient air and for manual calibration • sample gas supply cut-off in case of system alarm, using "fail-safe" solenoid valve (normally closed), • all stainless steel gas connectors 1/8" ID female threads, suitable for 6mm bulkhead compression fittings (also replaceable by user) • stainless steel adapter 1/8" female - 1/8" male, with flow restrictor orifice, to be mounted at sample gas inlet in case of high pressure sampling • human machine interface with color TFT display, keyboard and RS485 interface (Modbus RTU) • all password protected, intuitive software guided menu, with diagnosis software • universal power supply 90-240Vac / 47-63Hz / 42W			1	951010	\$7,279.00	0%	\$7,279.00



NDIR for biogas at AD plants, landfill site			QTY	Part No.	Unit price	Discount	Total Price
NDIR for biogas at AD plants, landfill site	CH4 / CO2	0 - 100% / 0 - 100%	1	65128	\$2,132.00	0%	\$2,132.00

SENSORS - electro chemical - and sensor OPTIONS				QTY	Part No.	Unit price	Discount	Total Price
Sensor OPTION - O2	Long Life	0 - 25 %		1	65419	\$933.00	0%	\$933.00
Sensor OPTION - H2S (*2)	H2 immune	0 - 50 ppm	overload 250 ppm (*1)	1	12260	\$1,013.00	0%	\$1,013.00
Sensor OPTION - H2S (*2)		0 - 2,000 ppm	overload 5,000 ppm (*1)	1	13705	\$1,129.00	0%	\$1,129.00
Sensor OPTION - H2S (*2)	H2 immune	0 - 5,000 ppm	overload 10,000 ppm (*1)	1	13836	\$1,208.00	0%	\$1,208.00
Sensor OPTION - H2		0 - 1,000 ppm	overload 2,000 ppm (*1)	1	12513	\$1,661.00	0%	\$1,661.00

(*1) NOTE: is maximum overload range, suitable only for short measuring time

(*2) NOTE: CHOOSE ONE H2S sensor only !!

OPTIONS & ACCESSORIES			QTY	Part No.	Unit price	Discount	Total Price
Second sampling point switching and monitoring (time sharing)	Note: order maximum 2 additional ports		1	13911	\$575.00	0%	\$575.00
Cabinet heater, temperature regulated, for freeze protection at low ambient air temperatures from -20°C to +5°C							
Cabinet heater 230 Vac - 200 W - for use in safe area only			1	65771	\$660.00	0%	\$660.00
Cabinet heater 115 Vac - 200 W - for use in safe area only			1	66009	\$660.00	0%	\$660.00
Teflon (PTFE) gas sampling line - 0.16"/0.24" 3.28' (DN4/6mm, 1m length)			1	50624-01	\$10.60	0%	\$10.60
Filtered condensate catch pot with automatic draining, (complete with fittings and canister)			1	11247A	\$829.00	0%	\$829.00
NOTE: for mounting at the sampling point of very wet digester or wet / dirty biogas sampling (client scope)							
Aluminum Frame awning to protect SWG from harsh and direct weather elements such as sun, rain, hail, and snow. H 12 in, W 48 in, D 42 in, Assembly Required, Hardware Included, Rust Resistant, Water Resistant			1	59979	\$1,044.00	0%	\$1,044.00

SAFETY			QTY	Part No.	Unit price	Discount	Total Price
Flame arrestor with 1/4" ID thread, to be mounted directly on biogas pipe at the sampling point or at sample gas inlet (client scope)			1	65427	\$798.00	0%	\$798.00
Gas detector (%LEL CH4) to monitor air inside analyzer cabinet			1	65435	\$728.00	0%	\$728.00
Calibration adapter for test and calibrate the gas detector 65435			1	12397	\$32.90	0%	\$32.90

SOFTWARE / COMMUNICATION			QTY	Part No.	Unit price	Discount	Total Price
I/O Module with 4channel 4-20mA analog output and 2 alarm relays (fail-safe NO contacts) incl. external control via 4x contacts and 4channel analog input 4-20mA			1	65430	\$569.00	0%	\$569.00
Module with 4channel 4-20mA analog output and 2 alarm relays (NO contacts "fail safe") Note: recommended is using one module for each sampling point			1	65179	\$424.00	0%	\$424.00
RS485 to Profi-Bus converter			1	66029	\$1,024.00	0%	\$1,024.00
RS485 to Ethernet converter			1	66030	\$711.00	0%	\$711.00
MRU4win - "full" version software, for real time data acquisition and handling on PC with Windows10			1	10539	\$287.00	0%	\$287.00

CONSUMABLES			QTY	Part No.	Unit price	Discount	Total Price
Consumable parts set for one year operation			1	66114	\$339.00	0%	\$339.00
NOTE: set of all filters and required spare parts							

SALES TERMS & CONDITIONS

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All orders are subject to acceptance by MRU Instruments, Inc. Additional or different terms or any attempt by the Buyer to vary, in any degree, any of the terms of this sales agreement form shall be deemed material and are objected to or rejected, but this sales agreement form shall not operate as a rejection of the Buyer's offer unless it contains variances in the terms of the description, quantity, price or delivery schedule of the goods.

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G. Warranty

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All products must be returned in the same packing conditions in which it left MRU Instruments, Inc.' manufacturing location(s) (anti-static rails and boxes, adequately protected, etc.). Buyer must pay return shipping.

I. Confidential Information

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J. General Provisions

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This agreement was last revised on January 30, 2007.