

NDUV OZONE ANALYZER

SERIES GM-PRO



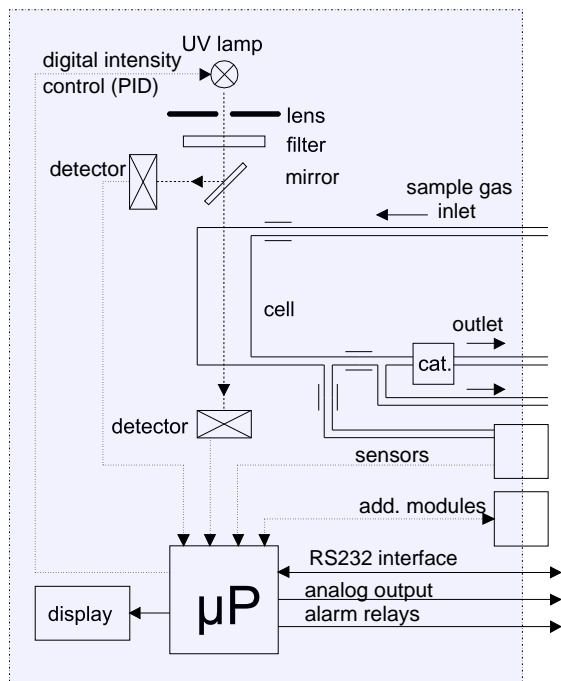
FEATURES

- Non-dispersive UV-absorption
- Measuring range up to $300 \text{ g O}_3 / \text{m}^3$ (25% w/w)
- Fast and high accurate measurement (for energy-saving control of generator)
- Advanced microprocessor technology
- All parameters software programmable
- Graphical data and trend display
- Serial RS232 and analog output



MEASURING PRINCIPLE

GM-PRO



SPECIFIC FEATURES

- basic unit without any manual adjustment (potentiometer), as all necessary adjustments are done digitally
- high accuracy due to latest technology (12/16bit A/D-converter, digital offset and autozero adjustment, calibrated pressure sensor)
- easy to maintain
- easy to handle, menu navigation based on window technology
- external control of all functions via RS232 interface (optional)
- integrated digital PID controller (e.g. for ozone generator; optional)
- attachment of customer specific modules possible (e.g. for calculation of generator performance)

SPECIFICATIONS

MEASURING PRINCIPLE	non-dispersive UV absorption (Lambert-Beer); approved optical system
MEASURING RANGE (see also GM product line)	000.1 - 199.9 g O ₃ / m ³ 0.001 - 1.999 g O ₃ / m ³ 000.1 - 299.9 g O ₃ / m ³ 00.01 - 19.99 g O ₃ / m ³
MEASUREMENT UNITS (including temperature and pressure compensation)	g O ₃ / m ³ , g O ₃ / Nm ³ , % w/w, ppmw, ppmv
REPEATABILITY	+/- 0.2% of scale end (SCE)
ACCURACY	+/- 0.2% of scale end (SCE)
ZERO DRIFT	automatic zero drift correction
TEMPERATURE DRIFT	automatic offset drift correction
SPAN DRIFT	automatic span drift correction (optional), pat.pend.
OUTPUTS (programmable)	0-20mA, 4-20mA; alternatively 0 -1V, 0-10V (RS232 interface)
BUILT-IN ALARMS (programmable)	4 threshold alarms, 1 main alarm, 1 flow control (optional), 1 alarm lamp, 1 audible alarm (option)
PROGRAMMABLE PARAMETERS	measurement unit - scaling factor adjustment conditions (e.g. due to changing of temperature) - alarm parameters - molecular weight of carrier gas - normalizing conditions - configuration of analog output - reference value for analog output - trend display (10min up to 24h) with graphical display
CONFIGURATION	IP54, IP65, for wall mount, panel mount, rack mount (bench/portable)
POWER SUPPLY	100-120VAC / 220-240VAC, 50-60 Hz, selectable
DISPLAY	graphic LCD module with CFL illumination, size: 126 x 37 mm (5" x 1,45") (text mode: 8 lines, 40 char./line; graphic mode: 240 x 64 pixel)
KEYBOARD	foil keyboard, integrated in front panel
APPROVED	

Please call for custom specifications of systems.

DISTRIBUTOR



MANUFACTURER



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