



MultiGasScan™ 300 Series

Model MGScan 300

For Hazmat All-in-One instrument

Multi-gas Detector + PID

with SMART sensors and multi-range PID ppb capability



Special Features:

- The world's first multi-range PID instrument with SMART sensors for oxygen, combustible gases and any two combinations of toxic gases;
- Multi-range PID sensor from ppm to 10,000 ppm (ppb as option)
- Fast response and recovery during measurement;
- PID sensor with built-in humidity and temperature sensors on board for real-time compensation and accurate readings;
- Ex-approved for application in hazardous environment;
- Health and safety mode available;
- Simultaneous display of all readings in large LCD with backlit;
- Automatic and manual data-logging feature;
- Data-download to computer via USB cable;
- Comes with free interactive user-configurable software;
- Library with more than 250+ VOCs and their response factors;
- User customized input correction factors for desired VOCs;
- Interchangeable PID lamp available: 10.6eV (as standard), 9.8 eV, 11.7 eV
- Upgraded to higher version.

Ultra perfection.

Riding on the achievements from legacy of precision
and inner functionality.

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Specification:

		MGScan 365 (Orbit type)	MGScan 366 (Slack type)	MGScan 385 (Orbit type)	MGScan 386 (Slack type)
Sensors	5 x sensors; plug-in type	●	●	●	●
Type	Range				
PID (10.6 eV)	0-10,000 ppm	●	●	●	●
	1 ppb - 10,000 ppm	●	●	●	●
	* with temperature and humidity sensors on board	●	●	●	●
Combustible Gases	0-100%LEL	●	●	●	●
	0.0-5.0% Volume	●	●	●	●
Oxygen	0-30.0% Volume	●	●	●	●
CO (Toxic 1)	0-999 ppm	●	●	●	●
H2S (Toxic 2)	0-100 ppm	●	●	●	●
* Toxic Sensor 1 and 2 can be replaced with list of toxic sensors as follows:					
Cl2	0.0-20.0 ppm				
ClO2	0.0-2.0 ppm				
HCN	0-50 ppm				
NH3	0-100 ppm	●	●	●	●
NO2	0.0-20.0 ppm				
PH3	0.0-5.0 ppm				
SiH4	0-50 ppm				
* other toxic sensors to be updated; available on request.					
Response factor	Built-in library for up to 70 gases.	●	●	●	●
	Extendable to 250+ gases and their response factors	●	●	●	●
	Editable chemical names and corresponding response factors for user customization.	●	●	●	●
Datalogging	User downloadable datalogger	●	●	●	●
Communication	PC to instrument via USB; GDS-Scan PC software for instrument configuration and data handling	●	●	●	●
Upgradeable	Able to upgrade to higher version of PIDScan series	●	●	●	●

Common specification to all:

Size	L182 mm x W90 mm (tapering to 60 mm) x D52 mm
Weight	approx. 580 g
Measurement	LEL %LEL or %Vol (selectable) VOC ppm/ppb or mg/m3 (selectable)
Pump	built-in; Standard tubing length 3 m; Up to 50 m length as user options.
Alarms	audible and visual alarm (95 dB and LEDs) high alarm (adjustable) low alarm (adjustable) STEL and TWA alarms (adjustable) additional diagnostic alarms alarm and display for low battery status low flow alarm vibrator alarm calibration due alarm
Calibration	automatic 2-point field calibration for zero and span
Auto zero	Yes
Battery	rechargeable Li-ion battery pack drop-in charging cradle
Operation Time	Up to 16 hours continuous operation

Display	Large LCD 23cmx7cm; 128x64 pixels with backlight
Keypad	Three tactile buttons operation
Readout	Instantaneous and simultaneous for 5 gas values TWA and STEL values for VOC, Toxic 1 and 2 High and Low values for all gases Next calibration date Real-time clock Battery status
Tagging	Add, remove and edit tags on measurements
Op. Temperature	-20 deg C to +50 deg C
Op. Humidity	0%RH to 95%RH (non-condensing)
Approval	Ex ib d IIC T4 (pending)
IP rating	IP65
EMI/RFI	Compliance to EN 50270
Communication	PC connectivity via USB and docking station using GDS-Scan PC software

The above specifications are correct as of the time of printing; Subject to changes due to on-going product improvements.



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