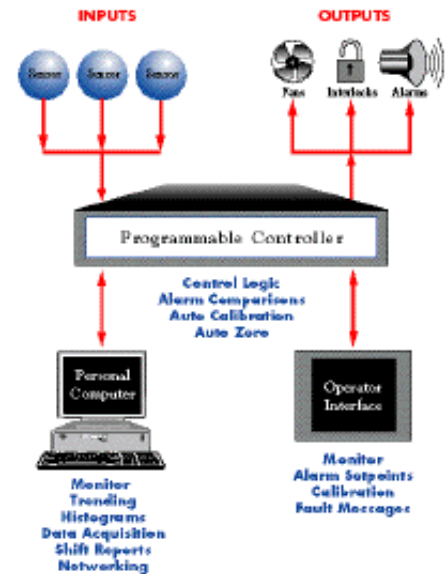




Continuous Monitoring-Multipoint Applications

For monitoring at two or more locations, we are proud to present the product line that is the talk of the industry - InterScan's exclusive Automation-Based(TM) Gas Detection Systems. Now, you can specify a system with the exact operation you need, with no compromise. Our new design makes this possible.

Built around a programmable logic controller (PLC), sensors, and an operator interface (or PC), the features are limited only by your imagination. We can supply a system for any of the gases detected by our own sensors - but that's only the beginning. Since any sensor with an analog or discrete output connects to the PLC, you can mix and match toxic, combustible and process sensors - yours, ours, theirs - without worrying about anybody's proprietary controller.



Standard features on InterScan's PLC Series Multipoint Gas Monitoring Systems

- * Dedicated sensor, sample pump, and stainless steel rotameter for each point
- * All control and display functions at easy-to-use operator interface
- * User adjustable low and high alarm set points, activating dedicated relays for each monitoring channel
- * Stackable tower lights for low, high, and fault alarms, and piezo-electric horn for high alarm, common to all channels
- * Alarm event and time of occurrence tracking, plus last time calibrated tracking, specific for each sensor
- * Vacuum fault detection and fault display, for all sample pumps
- * 4-20 mA analog output, for each channel

Options

- * Alternative packaging, including Type X or Type Z purged enclosures and RFI resistant enclosures
- * Enclosure heating and cooling
- * Triple alarm set points
- * Loss of power alarm
- * Aspirator (in lieu of pump)
- * Auto zero
- * Sensor protection circuit

Dimensions

2-point system:
22" H x 18" W x 8.5" D
(610 x 508 x 203 mm)

3, 4, and 5-point systems:
36" H x 30" W x 8" D
(914 x 762 x 203 mm)

Dimensions given are exclusive of alarm signals and enclosure mounting feet.

Weight

2-point system	70 lb (31.8 kg)
3-point system	142 lb (64.4 kg)
4-point system	148 lb (67.1 kg)
5-point system	155 lb (70.3 kg)

Additional Specs

Resolution	
0-2000 ppm range	1 ppm
0-1000 ppm range	1 ppm
0-500 ppm range	1 ppm
0-200.0 ppm range	0.1 ppm
0-100.0 ppm range	0.1 ppm
0-50.0 ppm range	0.1 ppm
0-20.0 ppm range	0.1 ppm
0-5.00 ppm range	0.01 ppm
0-2.00 ppm range	0.01 ppm
0-1.00 ppm range	0.01 ppm



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PLC Series Multipoint Continuous Gas Monitoring Systems

Determine the desired number of points for the model number prefix, and the desired range for the model number suffix.

For example, a four point CO system, with range 0-200.0 ppm, would be PLC414-200.0m

GAS	# of Points	Model No. Prefi	Measuring Range (ppm)	Model No. Suffix †
Br2 bromine	three four five	PLC370 PLC470 PLC570	0-20.0 0-5.00	-20.0m -5.00m
CO carbon monoxide	three four five	PLC314 PLC414 PLC514	0-2000 0-200.0 0-100.0 0-50.0	-2000m -200.0m -100.0m -50.0m
Cl2 chlorine	three four five	PLC334 PLC434 PLC534	0-20.0 0-5.00	-20.0m -5.00m
ClO2 chlorine dioxide	three four five	PLC333 PLC433 PLC533	0-20.0 0-5.00 0-2.00	-20.0m -5.00m -2.00m
C2H4 ethylene	three four five	PLC307 PLC407 PLC507	0-2000 0-200.0 0-20.0 0-5.00	-2000m -200.0m -20.0m -5.00m
EtO ethylene oxide	three four five	PLC320 PLC420 PLC520	0-50.0 0-20.0 0-5.00	-50.0m -20.0m -5.00m
HCHO formaldehyde	three four five	PLC316 PLC416 PLC516	0-20.0 0-2.00	-20.0m -2.00m
H2NNH2 CH3NHNH2 (CH3)2NNH2 hydrazine(s)¶	three four five	PLC318 PLC418 PLC518	0-20.0 0-2.00	-20.0m -2.00m
H2 hydrogen	three four five	PLC302 PLC402 PLC502	0-2000 0-500	-2000m -500m
HBr hydrogen bromide	three four five	PLC380 PLC480 PLC580	0-20.0 0-5.00	-20.0m -5.00m
HCl hydrogen chloride	three four five	PLC336 PLC436 PLC536	0-20.0 0-5.00	-20.0m -5.00m

GAS	# of Points	Model No. Prefi	Measuring Range (ppm)	Model No. Suffix †
HCN hydrogen cyanide	three four five	PLC328 PLC428 PLC528	0-50.0 0-20.0 0-5.00	-50.0m -20.0m -5.00m
H2O2 hydrogen peroxide	three four five	PLC309 PLC409 PLC509	0-1000 0-200.0 0-50.0 0-5.00	-1000.0m -200.0m -50.0m -5.00m
H2S hydrogen sulfide	three four five	PLC317 PLC417 PLC517	0-500 0-200.0 0-20.0 0-1.00	-500m -200.0m -20.0m -1.00m
NO nitric oxide	three four five	PLC354 PLC454 PLC554	0-2000 0-200.0 0-20.0 0-5.00	-2000m -200.0m -20.0m -5.00m
NO2 nitrogen dioxide Also known as N2O4 nitrogen tetroxide	three four five	PLC315 PLC415 PLC515	0-2000 0-200.0 0-20.0 0-5.00	-2000m -200.0m -20.0m -5.00m
O3 ozone	three four five	PLC348 PLC448 PLC548	0-50.0 0-20.0 0-5.00	-50.0m -20.0m -5.00m
PrO propylene oxide	three four five	PLC332 PLC432 PLC532	0-50.0 0-20.0 0-5.00	-50.0m -20.0m -5.00m
SO2 sulfur dioxide	three four five	PLC324 PLC424 PLC524	0-200.0 0-50.0 0-20.0 0-5.00	-200.0m -50.0m -20.0m -5.00m

† These are the new model numbers. Certain other sources may not reflect this system, while the change-over is occurring. If in doubt, specify the gas and the measuring range desired.

¶ There is not a separate analyzer available for each of these compounds, and the sensor does not respond equally to all hydrazine species. The analyzer must be calibrated with the specific hydrazine compound of interest.

Special ranges available on request—The panel meter can be factory programmed to display any desired full scale range, within the measuring capability of the instrument.

Although the above table only goes up to five point systems—for reasons of clarity and brevity—there is no limitation on the number of points available. Many larger systems have been supplied. Please contact us for further details.





SQ Series Multipoint Sequential Gas Monitoring Systems

For many toxic gas detection applications—especially carbon monoxide monitoring in parking garages and tunnels—stream-switching or sequential monitoring of the many sample points is a cost-effective, safe, and viable approach.

The SQ Series feature:

- * PLC-based operation, with all user input and display at a color touchscreen, provided with a comprehensive help facility, and many logging functions
- * Three user-adjustable alarm levels, activating dedicated contact closures
- * Two 4-20mA outputs: One for the gas concentration, the other identifying the point currently being sampled
- * Sample draw functionality via two heavy-duty diaphragm pumps. One draws the current sample, the other pulls "pre-sample" air into the system one point ahead of the sample point being monitored, thus providing fresh sample to the sensor at each sequential point advance.
- * Flow sensor monitoring of each sample line—enabling flow rate display at the touchscreen and fault indication should a line encounter a flow restriction
- * Auto-zero, with auto-calibrate an option
- * Sample point dwell times individually adjustable, with point selection for continuous monitoring and removal from sequence selectable at the touchscreen
- * Serial output from the PLC—ideal to input building management systems, for gas concentration-based ventilation control



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