



## PM400 Data Sheet

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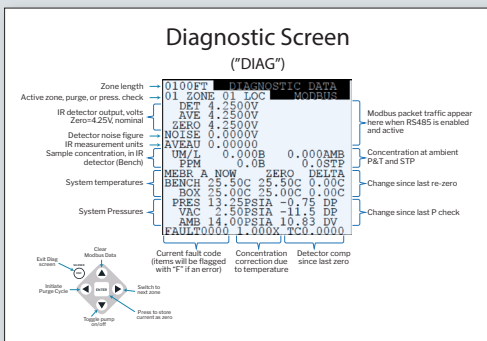
# PM400

## Phosphine Fumigation Monitor

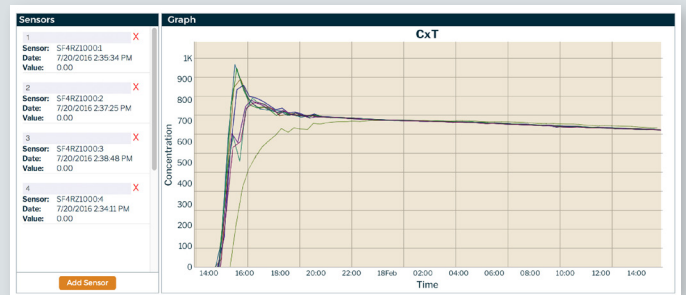
Continuously monitor multiple fumigation points using advanced infrared technology and the latest in network communication protocols.



The modular NEMA® design of the PM400 delivers unmatched phosphine fumigation performance. The user may access multiple sampling points onsite or remotely via a secure encrypted web portal. Phosphine concentration values for each zone are viewed in real-time then automatically archived for later review. This actionable intelligence transforms raw data into informed decision making.



WiFi, 3G Cellular & Satellite, Ethernet, PLC Integration



displayed on any Internet-connected device



## PM400 Multi-Zone Phosphine Fumigation Monitor

### Gas Specifications

Product Type	Phosphine (PH <sub>3</sub> )
Coverage	4 zones standard (8,12,16 zone options)
Measuring Range	0-10,000ppm (1%) Options
Monitoring Distance	500ft./150meters (sample + exhaust)
Detector Type	NDIR (Non-Dispersive Infrared)
Accuracy	+/- 1% (50-3000ppm) +/- 3% (full scale)

### Interface

Front Panel	3 Indicator lights
Data Logging & Web Portal Upload	<ul style="list-style-type: none"> <li>• Advanced microprocessor command and control</li> <li>• Data Storage with continuous data transfer to Spectros Instruments Web Portal and archival option of 1 million record storage</li> </ul>
Displays	(1) Color touchscreen web interface; (2) Monochrome LCD monitor
Sampling Frequency	User selectable for automatic on/off collection of data and storage onboard and/or on secured web portal

### Electronics Specifications

Response Time/Flow Rate	Dependent on gas-sample line length; 0.25" OD x 0.17" ID tubing
Power Safety Mode	Fully automatic system reset; all programmed parameters retained
AC Power	100 – 240 VAC;50/60Hz
Power Consumption	20 Watts

### Physical Specifications

System Noise	Less than 40dB(A) at 10 feet
Operating Temp	32° - 122°F (0 - 50°C)
Ambient Humidity	5% to 90% RH (non-condensing)
Temperature Drift	±0.3% of reading per C°
Altitude Limit	6,562 ft. (2,000m)
Size/Weight	22"H x 14"W x 6"D, 16 lbs