



PM200

Phosphine Fumigation Monitor

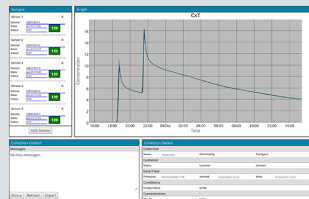
A web-based phosphine fumigation monitor featuring remote data collection, transfer and storage all at user-defined intervals.

The PM200 is an advanced NDIR phosphine monitor measuring concentrations up to 10,000ppm (1%). Pelican™ case packaging provides superior protection in every-day use. A simple menu-driven setup on a color LCD touchscreen allows quick 3G cellular & WiFi connections. Remote phosphine fumigations are monitored via any Internet-connected device. Mains & battery operation.



3G Cellular
WiFi

Spectros Web Portal



Internet Connected
Devices





PM200 Phosphine Fumigation Monitor

Gas Specifications

Product Type	Phosphine (PH ₃)
Coverage	Single Sample Position
Measuring Range	50ppm to 10,000ppm (1%)
Monitoring Distance	Up to 30 feet sample line length
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"> • Advanced microprocessor command and control • Data Storage with continuous data transfer to Spectros Instruments • Web Portal and archival option of 1 million record storage
Displays	(1) Color touchscreen web interface; (2) Monochrome LCD monitor

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 mains (standard) also battery/solar panel(optional)
Power Consumption	15 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	2,000 Meters
Size/Weight	17"H x 13"W x 7"D / 14 lbs.
Accessories	Battery/Probe/Solar Panel/Shroud/Filters/Antennas
Warranty	1 Year from date of shipment. All non-wetted parts.