



Phosphine Fumigation Monitor

PM-EC Specifications

Version 1.1.2 January 2018



Gas Specifications

Gas Type	Phosphine Concentrations During Fumigation
Range	0-2000 ppm*
Resolution	1 ppm
Sensor Type	Electrochemical
Accuracy	+/- 2% of span
Sampling Pump	Chemically-Resistant Internal Pump (500ml/min) for Continuous or Batch Sampling

**This is NOT a personal protection device for phosphine*

Interface Specifications

Display	Ultra Bright Active Matrix OLED
Keys	Power, Pump, Data Storage
Connectivity	Micro B USB for Data Transfer
Data & Data Storage	16GB (1 Million+ Data Points) Storage Capacity. Automatic Transfer & Report Generation of Concentration, Time-Date, GPS Location in Spreadsheet Format

Electronics Specifications

Microprocessor	Cortex-M0+
Warm-up Time	< 60 seconds
Response Time	<30 seconds
Power	4 x AA Batteries**

***In excess of 8 hours with continuous pump operation*

Physical Specifications

Temperature Range	32°-104° F (0° - 40°C)
Operating Pressure	+/- 10% of Atmospheric
Enclosure	ABS (UL 94 HB)
Weight/Dimensions	1.34 lb (0.50 kg) / 5.71" L x 3.15" W x 1.44" H