

# PhosCapt<sup>®</sup> MP

## Phosphine fumigation monitor

✔ **Fumigation**  
efficacy monitoring

✔ **Degassing**  
monitoring

✔ **Security**  
monitoring of the  
surrounding areas



### SPECIFICATIONS

- Records up to 1600 data series over 12 measuring lines
- Sensors: Dual high-performance electro-chemical cells
- Measuring domain: See sensor specifications
- 3 selectable operating modes:
  - E** Efficacy monitoring: high concentrations only (0 to 10,000 PH<sub>3</sub> ppm).
  - C** Clearance monitoring: precise low-concentration measurements to monitor degassing
  - S** Security monitoring: precise low-concentration mode to monitor surrounding areas
- Alarm system: email sent upon user-defined concentration threshold (+relay switching)
- Lines OD: 1/4" or 6mm ; maximum line length: 650 ft / 200m
- Automatic time synchronization with the cellular network
- Replaceable dust filters
- Email reporting via cellular network after each measurement cycle (1 to 8 times a day)
- Configuration and data download as Excel files via Ethernet or USB
- Remote operation or device coupling through Ethernet network
- LCD display: device status and instant PH<sub>3</sub> readings
- Wide operating temperature range: 5°C/40°F to 55°C/130°F
- AC power supply: 100-240VAC, 50-60Hz
- Transport case
- Dimension: length 360 mm / 14", width 330 mm / 13", height 200 mm / 8"

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## SENSORS SPECIFICATIONS

Dual high performance PH3 electro-chemical cells with automatic switching between **high and low concentration** sensors to monitor fumigation **efficacy, degassing and security**.

	LOW CONCENTRATION	HIGH CONCENTRATION
Measurement range	0 – 20 ppm	0 – 10,000 ppm
Minimum detection	0.02 ppm	2 ppm
Resolution	0.01 ppm	1 ppm
Sensor repeatability (% Of Signal)	2%	2% in 0 – 5,000 ppm range 5% in 5k – 10k ppm range
Calibration gas	5 ppm (± 10%)	900 ppm (± 2%)

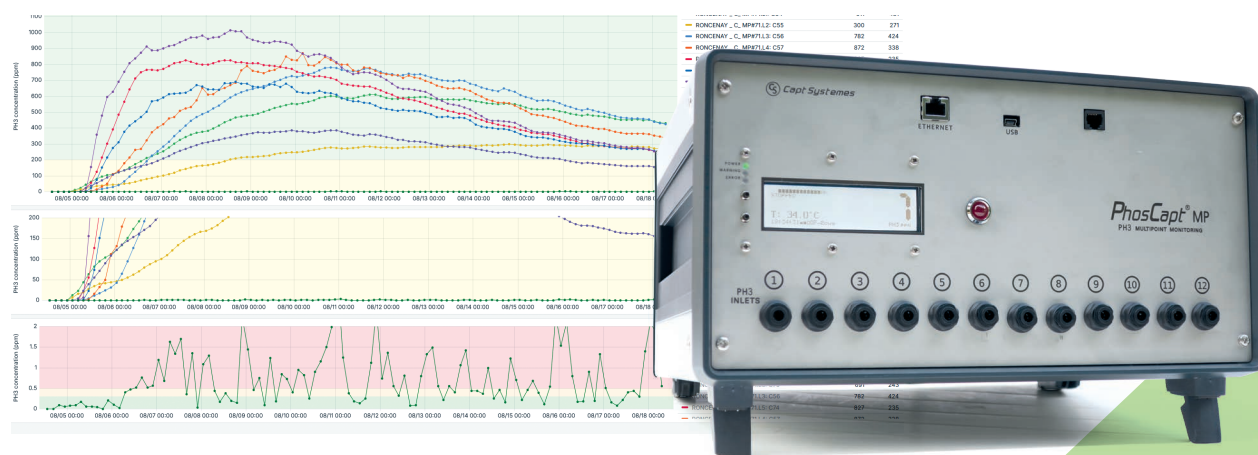
## OPERATION MODES

A choice of 3 operation modes programmable for each measurement line:

- E Efficacy:** will only measure with the high concentration sensor.
- C Clearance** (Efficacy & Degassing monitoring): Measurement with the high concentration sensor and when this concentration is under 20 ppm, a measurement is made using the low concentration sensor with 0.01 ppm precision.
- S Security** (where gas should not be present): Same operation mode as above, but lines in security mode are measured first. They can thus detect the smallest concentrations and trigger an alarm (LED + email). Note: Security monitoring does not replace the use of personal safety devices.

## ONLINE CHARTS

Fumigation data sent by email to the user is archived in the cloud, so that concentration measurements are available online in real time and charts are automatically updated. Past fumigation data is also available.



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