



Canary 'SILO•SAFE-V'

Phosphine Clearance Monitor

SILO•SAFE-V Phosphine Clearance Monitor is designed and built proudly in Australia to detect low trace levels of phosphine (PH_3) that may become trapped inside a container following fumigation & ventilation of the stored commodity. A concentration of 0.3ppm PH_3 gas poses a potential toxic risk to human health if ventilation is incomplete prior to movement of that commodity from one transfer point to the next.

Ensuring this concentration is not exceeded when ventilating a storage before clearance and on-forwarding will soon become even more critical, as in Australia the government has in late 2024 announced it will reduce the allowable airborne concentration of PH_3 in workplace breathing air from a threshold limit value of 0.3ppm right down to 0.05ppm. This will make compliance that much more difficult to meet! The solution to this will be for fumigators to be able to accurately measure down to 0.01ppm PH_3 and prove that their clearance strategy has been successful.

SILO•SAFE-V is easy to operate with high linearity, accuracy and selectivity of PH_3 from 19.99ppm down to 0.01ppm. The sensing element is not interfered with by co-existing substances or partial blockages, such as a pressure transient effect.

SILO•SAFE-V is robustly built into a small ABS enclosure with a large easy to read LCD display and is supplied ready for use in a padded pouch with belt strap together with manual aspirator, calibration tool, 9VDC rechargeable NiMH battery, plug pack and instruction manual. Also supplied is a strong internal sampling pump for tubing connection directly to a wand or standard fumigator's spear (not supplied).



LOW COST- HIGH ACCURACY- LOCAL MAINTAINANCE

The Canary Company Pty Ltd

ACN 065 558 563

website: www.canaryco.com.au

phone: +61 2 9418-6666 email: sales@canaryco.com.au

FEATURES:

- * Large easy to read display
- * Back lit digital display
- * Automatic Pumped sampling
- * Economical to maintain

- * Simple to operate
- * Rugged ABS case
- * High accuracy sensor
- * LED low battery warning
- * Nil interference to CO
- * Calibration kit available

SILO•SAFE-V has been factory calibrated directly in PPM's Phosphine using a internationally traceable gas standard and is supplied with a certificate valid for 6 months in normal operation.

SILO•SAFE-V is suitable for use with the latest fumigation systems available. It will measure down to 0.01ppm even when common interferences may be present in grain which has been in storage for several months.

SILO•SAFE-V will pay back the grower quickly when used frequently following fumigation "on-farm" and transportation by allowing the growers to sample effectively deep into corners of a truck or container to ensure less than 0.3ppm PH₃ is present before next transfer commences.

SILO•SAFE-V can easily be checked for calibration in the field using the optional accessories kit or returned to the manufacturer's authorised agent. A plastic sampling with filter is also available from The Canary Company Pty Ltd.

Specifications

Standard Ranges:	0.01 - 9.99ppm Phosphine
Sensor Life Expectancy:	approx. 2 years
Warranty:	Full 12 months
Calibration Intervals:	6 monthly (recommended)
Temperature Range:	- 20 to + 55 °C (intermittent duty)
Response Time:	90% of full scale in just 30 seconds
Size:	145H x 80W x 24D mm (5.7 x 3.15 x 1 inches)
Material:	Robust Plastic Polycarbonate Case
Display:	Large 13mm 3½ Digital LCD
Power Supply:	9VDC Alkaline battery
Alarms	0.30ppm non-latching 1.00ppm latching
Note:	Refer to SILO•SAFE-V Instruction Manual for further details

BEWARE - DO NOT USE FOR FUMIGATION CONCENTRATIONS:

SILO•SAFE-V has been manufactured to detect low level concentrations of Phosphine up to 19.99ppm PH₃. For high range fumigation applications contact your distributor about the Canary portable Phosphine monitor

SILO•CHEK-P or SILO•CHEK3 dual detector products.

Canary also supplies / supports low ppm Phosphine warning and alarm products.

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