

PRODUCT SPECIFICATION

SAFETYWARE VersaSense Portable Multi-Gas Detector (4 Gases)

GDP50

Features:

- Interchangeable Smart Sensor Module – Enables the flexibility to measure up to four different gases.
- Comes with built-in sampling pump for enhanced accuracy in gas sampling.
- Intrinsically safe equipment which can continuously detect combustible gases and toxic gases in underground pipes or mines.
- Sleek and portable, making it suitable for various applications.
- Constructed from high-quality durable materials for longevity and reliability.
- Designed to withstand harsh environments and endure in demanding conditions.
- Ergonomic Grip – Comfortable to hold and use for extended periods.
- Advanced sensors ensure accurate detection of a wide range of gases.
- Clear and intuitive LCD display for easy reading of gas concentration levels.
- Audible, vibrative and visual alarms to provide timely and effective warnings.
- Features adjustable alarm settings for alarm levels customization and span calibration values to suit your specific needs.
- Password management system to ensure secure device operation.
- Comes with a real-time clock and self-diagnostic and self-correction functions for added reliability.
- Certifications: Complies with industry standards and certifications for safety and reliability.



APPLICATIONS

- Oil and gas industries
- Power plants
- Petrochemical plant
- Steelworks
- Refinery
- Marine
- Mine
- Sewage treatment plant
- Confined spaces
- Labs

ITEM CODE

| ITEM CODE | TARGET GAS |
|-----------|---|
| GDP50-1 | CH ₄ , CO, O ₂ , H ₂ S |
| GDP50-2 | CH ₄ , CO, O ₂ , VOC |

SAFETYWARE SDN. BHD. (632971-X)

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It is the product users' responsibility to conduct all the appropriate evaluations & testing to determine the suitability of SAFETYWARE products for use in a particular environment or purpose. SAFETYWARE disclaims all warranties other than as expressly provided.

Date created: 03/10/2023

Revision: 00

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TECHNICAL DATA

| | |
|--------------------|--|
| HOUSING | Rubber enclosure |
| RESPONSE TIME | T ₉₀ < 30 seconds |
| ALARM METHOD | Visual, audible and vibrative signals |
| AUDIBLE | ≥ 85 dB at 1 meter |
| BATTERY | DC 3.7V 2200mAh Lithium battery |
| OPERATING LIFE | 8 to 300 hours (depending on the gas integration) |
| CHARGING TIME | 4 to 6 hours |
| EVENT LOG | 100,000 events |
| WORKING TEMP | Toxic gases: - 20 °C to 50 °C Combustible: - 40 °C to 70 °C |
| WORKING HUMIDITY | < 95% RH (no condensation) |
| DIMENSION & WEIGHT | 147 × 76 × 37mm, ~350 g |
| WARRANTY PERIOD | 1 year against manufacturing defects |
| EX GRADE | Ex ia IIC T4 Gb |
| INGRESS PROTECTION | IP66 |

SENSOR SPECIFICATION

| TARGET GAS | MEASURING RANGE |
|------------------|-----------------|
| CH ₄ | 0 – 100% LEL |
| CO | 0 – 500 ppm |
| O ₂ | 0 – 25% vol |
| H ₂ S | 0 – 100 ppm |
| VOC | 0 – 500 ppm |

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