

PRODUCT SPECIFICATION

SAFETYWARE VersaSense Portable Multi-Gas Detector (6 Gases)

Item Code: GDP60

Features:

- Interchangeable Smart Sensor Module – Enables the flexibility to measure up to six different gases that consist of various combinations of O2, toxic, and combustible 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

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: 02/10/2023

Revision: 00

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TECHNICAL DATA

HOUSING	Rubber enclosure
RESPONSE TIME	Catalytic sensor: $T_{90} < 30$ seconds Electrochemical: $T_{90} < 30$ seconds NDIR sensor: $T_{90} < 30$ seconds PID sensor: $T_{90} < 30$ seconds
SENSOR LIFE	Catalytic sensor: 3 years Electrochemical: 2 years (1 year for O ₂ sensor) NDIR sensor: 5 years PID sensor: 0.6 to 1 year
ALARM METHOD	Visual, audible and vibrative signals
AUDIBLE	≥ 80 dB at 1 meter
BATTERY	DC 3.6V 6600mAh Lithium battery
OPERATING LIFE	Varies depending on 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	168 × 91 × 45mm, ~500 g
WARRANTY PERIOD	1 year against manufacturing defects
EX GRADE	Ex d ib IIC T4 Gb
INGRESS PROTECTION	IP67

SENSOR SPECIFICATION

TARGET GAS	RANGE	LOW ALARM POINT	HIGH ALARM POINT	TARGET GAS	RANGE	LOW ALARM POINT	HIGH ALARM POINT
CH ₄	0 – 100% LEL	20% LEL	50% LEL	NHCO ₂	0 – 6000 ppm	-	-
C ₃ H ₈	0 – 100% LEL	20% LEL	50% LEL	NH ₃	0 – 100 ppm	25 ppm	50 ppm
H ₂	0 – 100% LEL	20% LEL	50% LEL	Cl ₂	0 – 20 ppm	5 ppm	10 ppm
H ₂	0 – 1000 ppm	35 ppm	250 ppm	SO ₂	0 – 100 ppm	2 ppm	5 ppm
O ₂	0 – 30% vol	19.5% vol	23.5% vol	NO	0 – 1000 ppm	-	-
H ₂ S	0 – 100 ppm	10 ppm	15 ppm	NO ₂	0 – 20 ppm	5 ppm	10 ppm
CO	0 – 1000 ppm	35 ppm	200 ppm	HCl	0 – 100 ppm	20	50
CO	0 – 2000 ppm	35 ppm	200 ppm	HF	0 – 20 ppm	5 ppm	10 ppm

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