

# PRODUCT SPECIFICATION

## SAFETYWARE PrimeSense Portable Multi-Gas Detector (4 Gases)

Item Code: GDP40

### Features:

- 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.
- User-Friendly Interface – Simple operation with only one button.
- 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.
- Comes with battery low voltage alert to uninterrupted operation and timely maintenance.
- 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: 11/09/2023

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	$\geq 80$ dB at 1 meter
BATTERY	DC 3.7V 1800mAh Lithium battery
OPERATING LIFE	$\geq 8$ hours per charge
CHARGING TIME	4 to 6 hours
EVENT LOG	2000 events
WORKING TEMP	Toxic gases: - 20 °C to 50 °C Combustible: - 40 °C to 70 °C
WORKING HUMIDITY	< 95% RH (no condensation)
DIMENSION & WEIGHT	120 × 68 × 38mm, ~220 g
WARRANTY PERIOD	1 year against manufacturing defects
EX GRADE	Ex ia IIC T4
INGRESS PROTECTION	IP66

## SENSOR SPECIFICATION

TARGET GAS	RANGE
Combustible (LEL)	0 – 100% LEL
Carbon Monoxide (CO)	0 – 1000 ppm
Hydrogen Sulfide (H <sub>2</sub> S)	0 – 100 ppm
Oxygen (O <sub>2</sub> )	0 – 25% Vol

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