

PRODUCT SPECIFICATION

SAFETYWARE AlphaSense Portable Single Gas Detector

Item Code: GDP10

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 - Intuitive buttons and menus for easy setup and operation.
- 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.
- Low Maintenance: Minimal maintenance required, reducing downtime and costs.
- 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.

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TECHNICAL DATA

HOUSING	Rubber enclosure
RESPONSE TIME	LEL, CO, H ₂ S: T ₉₀ < 30 seconds O ₂ : T ₉₀ < 20 seconds NH ₃ , HCl: T ₉₀ < 120 seconds Other toxic gases: T ₉₀ < 60 seconds
ALARM METHOD	Visual, audible and vibrative signals
AUDIBLE	≥ 80 dB at 1 meter
BATTERY	DC 3.7V 1300mAh Lithium battery
OPERATING LIFE	Toxic gases: ≥ 300 hours continuously (20 °C) Combustible: ≥ 8 hours continuously
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	104.0 × 60.8 × 30.5mm, ~125 g
WARRANTY PERIOD	1 year against manufacturing defects
EX GRADE	Ex ia IIC T4
INGRESS PROTECTION	IP66

SENSOR SPECIFICATION & ITEM CODE

ITEM CODE	TARGET GAS	RANGE	ITEM CODE	TARGET GAS	RANGE
GDP10-LEL	Combustible (LEL)	0 – 100% LEL	GDP10-CL2-1	Chlorine (Cl ₂)	0 – 10 ppm
GDP10-CO-1	Carbon Monoxide (CO)	0 – 500 ppm	GDP10-CL2-2	Chlorine (Cl ₂)	0 – 20 ppm
GDP10-CO-2	Carbon Monoxide (CO)	0 – 1000 ppm	GDP10-NO	Nitric Oxide (NO)	0 – 1000 ppm
GDP10-H2S	Hydrogen Sulfide (H ₂ S)	0 – 100 ppm	GDP10-NO2	Nitrogen Dioxide (NO ₂)	0 – 20 ppm
GDP10-O2-1	Oxygen (O ₂)	0 – 25% Vol	GDP10-NH3	Ammonia (NH ₃)	0 – 100 ppm
GDP10-O2-2	Oxygen (O ₂)	0 – 30% Vol	GDP10-HCL	Hydrogen Chloride (HCl)	0 – 100 ppm
GDP10-H2	Hydrogen (H ₂)	0 – 1000 ppm			
GDP10-SO2-1	Sulfur Dioxide (SO ₂)	0 – 30 ppm			
GDP10-SO2-2	Sulfur Dioxide (SO ₂)	0 – 100 ppm			

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