



PS DUO

Portable Dual Gas Detector



Description

The PS DUO is a handheld instrument designed for monitoring gas levels in potentially hazardous environments. It uses passive diffusion sensing for continuous detection of harmful gases, enhancing safety for personnel. The device features real-time monitoring with audible, visual, and vibration alarms, providing immediate alerts when gas levels exceed safety thresholds. Data management is supported through wireless communication, allowing seamless integration with safety management systems. The optional IR Link tool offers additional data handling capabilities.

Features

- Simultaneous detection of two toxic gases
- Integrated wireless connectivity for data retrieval
- Continuous real-time gas concentration display
- Rugged, IP67-rated for water and dust protection
- Lightweight, ergonomic design for ease of use
- Loud audible alarms, bright LEDs, and strong vibration feedback
- Internal memory supports up to 30 alarm logs
- Fast, intuitive setup and configuration through IR Link
- Designed with user convenience and safety in mind



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Specifications

Model	PS DUO
Sensor Type	Electrochemical
Measurement	Diffusion type
Display	LCD display
Operating Humidity	15% to 90% RH (Non-condensing)
Battery	Replaceable 3.6V Thionyl chloride (Li/SOCl ₂) battery
Temperature & Humidity	-20°C to +50°C / -4°F to +122°F
Case	Rubberized Enclosure
Included accessories	Calibration Cap
Size & Weight	56(W) x 89(H) x 21(D) mm 2.2(W) x 3.5(H) x 0.83(D) inch 200g / 7.05oz
Operating Life	2 years on battery under normal use
Event Log	Most recent 30 alarms ATEX II 1 G Ex ia IIC T4 Ga IECEX Ex ia IIC T4 Ga IECEX KSCP 25.0001X KSCP 25ATEX0001X CSA/UL LC25CA22376-1ML
Approval	
Warranty	2 years
IP	IP67

Sensor specifications

Gas	Measuring range	Resolution	Low Alarm	High Alarm
CO	0~500 ppm	1 ppm	disabled	300 ppm
H ₂ S	0~100 ppm	0.1 ppm	disabled	15 ppm
SO ₂	0~20 ppm	0.1 ppm	disabled	1 ppm
H ₂	0~1000 ppm	1 ppm	100 ppm	500 ppm
NH ₃	0~100 ppm	1 ppm	20 ppm	50 ppm
NO ₂	0~20 ppm	0.1 ppm	disabled	5 ppm
O ₂	0~30% Vol.	0.01 % Vol.	19.5% Vol.	23.5% Vol.
O ₃	0~5 ppm	0.1 ppm	0.1 ppm	0.2 ppm

Gas Types Available

Ch-A	Ch-B
O ₂	CO
	H ₂ S
	SO ₂
	H ₂
	NO ₂
	NH ₃
NO ₂	O ₃
	CO
	H ₂ S
	SO ₂
SO ₂	H ₂ S
NH ₃	CO
	CO

Connectivity



Teledyne Gas & Flame Detection quality assurance programmes demand the continuous assessment and improvement of all our products. Information in this leaflet could thus change without notification and does not constitute a product specification. For more information, please contact us or your company representative.



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