

15J(WIN) / 30J(WIN) – P1, P2, F1, F6

Gas sensor transmitter
Safe area sensor head / junction box assembly



KEY FEATURES

- Flexible output options
- CANbus / 4~20mA outputs
- Addressable or standalone
- Backlit alpha numeric full status display
- Data logging
- Robust and weatherproof
- Optional alarm relays
- Hyperterminal communications RS232 line data and set up with 232 adapter

The 30J enclosure has been designed to allow quick and easy access to its interior by adjustment of two allen screws, this factor is a major consideration when large system service and calibrations are being carried out.

The detector is robust and weather-proof with improved response times due to the four mounting spacers allowing increased air movement around the detector these spacers also improve the mounting of the unit particularly on circular pillars typically found in car parks. Standard 4~20mA signalling with CANbus address enables the sensors to be networked via the WatchGas Combi control system or customer preferred monitoring system.

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GENERAL SPECIFICATIONS

POWER SUPPLY	15 to 30vDC 24v nominal
OUTPUTS	3 wire – 4~20mA 4 wire – CANbus Relays (optional) Low alarm S.P.C.O High alarm S.P.C.O Fault alarm S.P.C.O / overrange Rating 0.5A @30vDC
DISPLAY (OPTIONAL)	2 line alpha numeric back lit status display: <ul style="list-style-type: none">• gas type• concentrating units• alarm levels• alarm status (low/high/over range)• sensor ID
SOUNDER / RELAY (OPTIONAL)	Single relay – low/high alarm selectable S.P.C.O 0.5A @30vDC Sounder – not less than 85dB @ 30 cm
LOGGING	Intervals – variable time Roll over/stop Storage – 2,880 readings
TEMPERATURE	-15°C to 55°C
HUMIDITY	Pellistor-catalytic 0 - 99% RH non condensing Electrochemical 5 - 95% RH non condensing Infrared 0 - 95% RH non condensing

JUNCTION BOX TYPE - 15/30J SAFE AREA USE ONLY; 15J - SHALLOW BOX (S); 30J - DEEP BOX (D)	
INGRESS PROTECTION	IP64
MATERIAL	ABS Flame retardent FR40 Lid Screws M4SS
FINISH	Signal White RAL 9003
WEIGHT	380gms
MOUNTING	Standoffs - M4 or No 8 screws Drill at (C) when standoffs removed Conduit box - drill at (A) 4.5mm Surface mount box - drill at (B) 4.5mm
EU DESIGN NO.	01359723-0001

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SENSOR HEAD SPECIFICATIONS

	F1	F6	P1	P2
CERTIFICATION	ATEX / IECEx	ATEX / IECEx		
INGRESS PROTECTION	IP63 + Universal fitting IP64	IP63 + Universal fitting IP64	IP63 + Universal fitting IP65	IP63 + Universal fitting IP64
MATERIAL	Stainless steel 316 S16	Stainless steel 316 S16	ABS – black	ABS – black
WEIGHT	166 gms	35 gms		
DIMENSIONS	Length 32 mm, Dia 33 mm			
SENSOR INSERTS	4 series type Electrochemical Infra-red Semiconductor Pellistor-catalytic PID	Pellistor-catalytic flammable 0 – 100% LEL – 170mA	4 series type Electrochemical Infra-red Semiconductor Pellistor-catalytic PID	7 series type Electrochemical
ACCESSORIES – OPTIONAL	Collector cone + Universal fitting Universal fitting (test gas applicator / spray deflector) Water shield – stainless steel Flow block – nylatron Flow block – stainless steel Duct mount kit Sensor head weather shield F1 sensor thermal jacket	Collector cone + Universal fitting Universal fitting (test gas applicator / spray deflector) Flow block Sensor head weather shield	Collector cone + Universal fitting Universal fitting (test gas applicator / spray deflector) Flow block Duct mount kit Sensor head weather shield	Collector cone + Universal fitting Universal fitting (test gas applicator / spray deflector) Flow block Duct mount kit Sensor head weather shield

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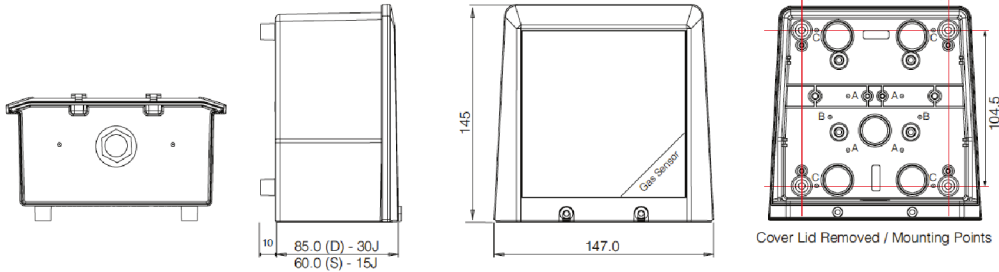


AVAILABLE GASES

GASES		MEASURING RANGE	SENSOR HEAD
FLAMMABLE GASES	LPG	0~100% LEL Catalytic	F1
	Kerosene	0~100% LEL Catalytic	F1
	Hydrocarbons	0~100% LEL Catalytic	P1
	Flammable 0-100% Vol.	Thermal Conductivity 0~100% Vol.	F1
	IR FLAM Hydrocarbon	0~100% LEL 0~100 %Vol.	F1
O ₂ Oxygen		0~25% Vol Electrochemical	P1
CO Carbon Monoxide		0~200 ppm Electrochemical	P1
H ₂ S Hydrogen Sulfide		0~50 ppm Electrochemical	P1
		0~1000 ppm Electrochemical	P1
SO ₂ Sulfur Dioxide		0~5 ppm Electrochemical	P1
NO ₂ Nitrogen Dioxide		0~5 ppm Electrochemical	P1
H ₂ Hydrogen		0~2000 ppm Electrochemical	P1
CL ₂ Chlorine		0~5 ppm Electrochemical	P1
HCN Hydrogen Cyanide		0~10 ppm Electrochemical	P1
NO Nitric Oxide		0~10ppm Electrochemical	P1
HCl Hydrogen Chloride		0~10 ppm Electrochemical	P1
NH ₃ Ammonia		0~100 ppm Electrochemical	P1
		0~1000 ppm Electrochemical	P1
ETO Ethylene Oxide		0~25 ppm Electrochemical	P1
HF Hydrogen Fluoride		0~10 ppm Electrochemical	P1
O ₃ Ozone		0~1 ppm Electrochemical	P1
F ₂ Fluorine		0~1 ppm Electrochemical	P1
ClO ₂ Chlorine Dioxide		0~1 ppm Electrochemical	P1
N ₂ H ₄ Hydrazine		0~1 ppm Electrochemical	P1
PID 10.6 eV Range		Linear range: 200ppm Maximum over-range: 4000ppm	P1
Aspirated Safe Sensor		0~1000ppm Infrared	-
H ₂ O ₂ Hydrogen Peroxide		0~100ppm nominal, 200ppm max over-range 0~500ppm max over-range 1000 ppm	P2
Refrigerant		Semiconductor ppm	P1
Aspirated Cool Sensor (Refrigerant)		0~1000ppm Infrared	-
NH ₃ Ammonia		0~200ppm - Semiconductor	P1
IR CO ₂		CO ₂ 0~5000 ppm 0~2 %vol.(Standard) 0~10 %vol. (Max Range)	F1
		CO ₂ 0~100 %vol.	F1

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Optional display

FOR MORE INFORMATION

www.watchgas.com
info@watchgas.com

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