

JUNCTION BOX**Ingress Protection****Material****Finish****Entries****Termination****Weight****Dimensions****Mounting**

Type - 20J

IP65

Polycarbonate

Light Grey RAL 7035

Not Specified – top, bottom, sides, rear

3 wire terminal or flammable CV transmitter

265gms

122mm x 120mm x 56mm

4 – Internal fixing points @ 90mm x 110mm

**DETECTOR HEAD****Sensor Inserts****Material****Ingress Protection****Mounting Thread****Accessories**

Type – P1

Electrochemical
Infra Red
Semiconductor

Nylatron

IP63 + weather shield IP64

20mm 1.5mm Pitch

003-037 Weather Shield
003-030 Universal Fitting
(test gas applicator)
003-040 Collector cone + Universal Fitting
008-312 Flow Block
003-032 Filters - particulate
003-036 Duct Probe Ø26x90mm long**GDS Technologies Ltd**Fusion Point, Ash Lane
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TOXIC GASES - STANDARD RANGE

COMPOUND	Chemical Symbol	Relative Density Air =1	Sensor Location	Total Operating Range	Standard Range	A1	A2	Cross Sensitive Detectable Gases
Oxygen	O ₂	1.105	1.5mtr	0~25% Vol.	0~25% Vol.	19%	17%	
Carbon Monoxide	CO	0.967	1.5mtr	0~2000ppm	0~250ppm	30ppm	200ppm	Ethylene
Hydrogen Sulphide	H ₂ S	1.188	Lowest Level	0~500ppm	0~50ppm	5ppm	10ppm	
Sulphur Dioxide	SO ₂	2.263	Lowest Level	0~500ppm	0~10ppm	2ppm	5ppm	
Nitrogen Oxide	NO	1.036	1.5mtr	0~1500ppm	100ppm	25ppm	35ppm	
Nitrogen Dioxide	NO ₂	2.62	Lowest Level	0~200ppm	0~10ppm	3ppm	10ppm	
Chlorine	Cl ₂	2.473	Lowest Level	0~250ppm	0~10ppm	0.5ppm	1ppm	
Hydrogen	H ₂	0.069	Highest Level	0~2000ppm	0-2000ppm	250ppm	500ppm	
Hydrogen Cyanide	HCN	0.94	1.5mtr	0~100ppm	25ppm	5ppm	10ppm	
Hydrogen Chloride	HCl	1.26	Lowest Level	0~200ppm	10ppm	2ppm	5ppm	
Ammonia	NH ₃	0.59	Highest Level	0~200ppm	100ppm	25ppm	35ppm	
Ozone	O ₃	1.66	Lowest Level	0~5ppm	2ppm	0.1ppm	0.3ppm	
Ethylene Oxide	C ₂ H ₄ O	1.49	Lowest Level	0~100ppm	25ppm	5ppm	10ppm	Ethanol : MEK : Toluene :
Phosphine	PH ₃	1.184	Lowest Level	0~20ppm	1ppm	0.2ppm	0.3ppm	Arsine : Diborane : Silane : Germane
Carbon Dioxide	CO ₂		Lowest Level	0~2%	0~2%	0.50%	1.50%	

FLAMMABLE GASES - STANDARD RANGE

COMPOUND	Chemical Symbol	Relative Density Air =1	Sensor Location	Total Operating Range	Standard Range	A1	A2	Cross Sensitive Detectable Gases
Hydrogen	H ₂	0.069	Highest Level	0~100% LEL	4%	20%	40%	
Methane	CH ₄	0.55	Highest Level	0~100% LEL	5%	20%	40%	
Ethane	C ₂ H ₆	1.048	Lowest Level	0~100% LEL	3%	20%	40%	
Propane	C ₃ H ₈	1.55	Lowest Level	0~100% LEL	2%	20%	40%	
Butane	C ₄ H ₁₀	2.11	Lowest Level	0~100% LEL	1.80%	20%	40%	
Pentane	C ₅ H ₁₂	2.48	Lowest Level	0~100% LEL	1.40%	20%	40%	

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