

Sensor Type	Target Gases	Measuring Range	Resolution	Accuracy	Response Time (T50 / T90)	Temp Range (°C)	Humidity Range (%RH)
CAT	Combustible Gases (LEL) - Methane (CH ₄) Calibration	0-100 %LEL	1 %LEL	+/- 1 %LEL CH ₄	5 / 10 sec	-40 to 60	0 - 95%
CAT	Combustible Gases (LEL) - Pentane (C ₅ H ₁₂) Calibration	0-100 %LEL	1 %LEL	+/- 1 %LEL	5 / 10 sec	-40 to 60	0 - 95%
CAT	Combustible Gases (LEL) - Hydrogen (H ₂) Calibration	0-100 %LEL	1 %LEL	+/- 1 %LEL	5 / 10 sec	-40 to 60	0 - 95%
EC	Ammonia (NH ₃)	0-100 ppm	1 ppm	+/- 10 Full Scale	22 / 60 sec	-20 to 50	15 - 90%
EC	Ammonia (NH ₃)	0-300 ppm	2 ppm	+/- 10 Full Scale	22 / 40 sec	-45 to 50	15 - 90%
EC	Carbon Monoxide (CO)	0-100 ppm	1 ppm	+/- 5 Full Scale	15 / 25 sec	-45 to 50	15 - 90%
EC	Carbon Monoxide (CO)	0-500 ppm	1 ppm	+/- 5 Full Scale	15 / 25 sec	-45 to 50	15 - 90%
EC	Chlorine (Cl ₂)	0-10.0 ppm	0,1 ppm	+/- 5 Full Scale	26 / 60 sec	-45 to 50	15 - 90%
EC	Hydrogen Chloride (HCl)	0-30.0 ppm	0.1 ppm	+/- 5 Full Scale	30 / 70 sec	-45 to 40	15 - 90%
EC	Hydrogen Cyanide (HCN)	0-30.0 ppm	0.1 ppm	+/- 5 Full Scale	60 / 120 sec	-45 to 40	15 - 90%
EC	Hydrogen Sulfide (H ₂ S)	0-50 ppm	1 ppm	+/- 5 Full Scale	16 / 55 sec	-45 to 50	15 - 90%
EC	Hydrogen Sulfide (H ₂ S)	0-100 ppm	1 ppm	+/- 5 Full Scale	16 / 55 sec	-45 to 50	15 - 90%
EC	Nitrogen Dioxide (NO ₂)	0-10.0 ppm	0,1 ppm	+/- 5 Full Scale	23 / 60 sec	-45 to 50	15 - 90%
EC	Oxygen (O ₂)	0-25.0 %Vol.	0.1 %Vol.	+/- 0.5 %Vol.	9 / 15 sec	-45 to 50	5 - 95%
EC	Sulfur Dioxide (SO ₂)	0-30.0 ppm	0,1 ppm	+/- 5 Full Scale	15 / 40 sec	-45 to 50	15 - 90%
IR	Combustible Hydrocarbons (LEL) - Methane (CH ₄) Calibration	0-100 %LEL	1 %LEL	+/- 10% reading	20 / 30 sec	-45 to 50	0 - 95%
IR	Combustible Hydrocarbons (LEL) - Propane (C ₃ H ₈) Calibration	0-100 %LEL	1 %LEL	+/- 10% reading	20 / 30 sec	-45 to 50	0 - 95%
IR	Carbon Dioxide (CO ₂)	0-5.0 %Vol.	0.1 %Vol.	+/- 10% reading	20 / 30 sec	-45 to 50	0 - 95%
PID	Volatile Organic Compounds (VOC)	0-25 ppm	1 ppm	Note 3	Note 3	-45 to 50	0 - 95%
PID	Volatile Organic Compounds (VOC)	0-300 ppm	1 ppm	Note 3	Note 3	-45 to 50	0 - 95%

Sensors

CAT = Catalytic Oxidation, EC = Electrochemical, IR = Infrared, PID = Photo-Ionization Detector

Note 1

Specifications subject to change without notice

Note 2

Response and accuracy specifications, average sensor values at 20C, 50 %RH & 1 Bar with new sensor, results will vary.

Note 3

PID results will vary with targeted chemical, calibration frequency and temperature, consult factory

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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