

Solent Gas Consultants Ltd
Specialists in Gas Detection

Supplier of City Technology Ltd. Gas Sensors

Mobile: 07788 548013

Email: solentgasconsultants@gmail.com

Web: solentgasconsultants.com

Forward

Solent Gas Consultants Ltd was founded in 2019 to provide a customer focused consultation and technical authoring service to the sensing, metrology and instrumentation industries.

After many years working in the sensing, instrumentation, and gas detection industries, we have built up an extensive knowledge of gas detection and it's market.

Our core mission is to supply gas sensors at competitive pricing, and to provide world class service and technical support to our customer base.

OEM Gas Sensor Supply

Technical Support & Consultancy

Technical Authoring

Oxygen Detection

Toxic Gas Detection

Combustible Gas Detection



CONTENTS

Section 1

Gases Detected

The Intelligent iSeries Gas Sensor Range

Honeywell Transmission Risk Air Monitor

The Analogue 1 Series Sensor Range

A3-AAQ Air Quality Sensor Range

Commercial CO₂ Sensor

Lead-Free Oxygen Gas Sensors

OEM Gas Sensors

Section 2

Dimensional Drawings



SECTION 1

OEM Gas Sensor Product Range

Gases Detected

Acrylonitrile
Ammonia
Arsine
Carbon Monoxide
Carbon Dioxide
Chlorine
Chlorine Dioxide
Combustibles
Diborane
Ethylene Oxide
Fluorine
Hydrazine
Hydrogen
Hydrogen Chloride
Hydrogen Cyanide
Hydrogen Fluoride
Hydrogen Selenide
Hydrogen Sulfide
Mercaptan
Nitric Oxide
Nitrogen Dioxide
Oxygen
Ozone
Phosgene
Phosphine
Silane
Sulfur Dioxide
Tetrahydrothiophene

The Intelligent iSeries Sensor Range



City Technology's range of digital iseries gas sensors are small sensors that enable low-profile gas detector design.

With an extended operating life of five years, and an extended temperature and humidity range, iseries sensors are designed to meet multiple performance standards, including ANSI/ISA 92.00.01-2010, BS EN 45544-1:2015, and AS/NZS 4641-2007.

The digital output of the sensors provide significant advantages over conventional gas sensors.

Key Features

- Multiple gases - CO, H₂S, O₂, SO₂ & LEL combustible gases
- Unique low-profile sensor design enables thinner, lightweight detector design
- Extended temperature and humidity extremes
- All sensors 100% interchangeable without circuit modification
- 5 year extended operating life
- Digital Interface (UART)
- Sensors pre-calibrated during manufacture
- Predictive Calibration
- Fault indication
- End-of-life indication
- OEM lock to prevent unauthorised sensor replacement
- Surface mount spring contacts - no PCB through holes to maximise mounting flexibility
- Sensor platform of the future - iseries form factor to be utilised on future platforms
- IP64 rated

Technology	Application	Instrumentation Type	Target Gas	Filter	Product Name	Output	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	O ₂	None	iO ₂	UART	0.6 - 25%vol. (can be driven to 100%)	30%vol.	>5 years in air
			CO	To remove acid gases	iCO	UART	0.5-1000 ppm	2000 ppm	>5 years in air
			H ₂ S	None	iH ₂ S	UART	0.5 - 200 ppm	500 ppm	>5 years in air
			SO ₂	To remove H ₂ S	iSO ₂	UART	0.1 - 50 ppm	150 ppm	>5 years in air

Honeywell Transmission Risk Air Monitor



Key Features

- Monitor carbon dioxide, Temperature and Relative Humidity
- Use of a non-dispersive infra-red (NDIR) sensor for more accurate monitoring
- Three pre-programmed activity level settings (Low/Medium/High)
- Traffic Light Visual Indication (Green/Yellow/Red)
- Sound Alert: one beep for medium alert; two beeps for high alert
- On-board temperature compensation
- Small portable size and light weight
- Easy-to-use one button setting
- 10 hours battery life using Lithium-ion rechargeable battery
- 1-year limited product warranty

Honeywell has introduced a new, cost-effective monitor for use in schools, restaurants, offices, homes, and all other occupied spaces.

The device alerts users when conditions are present that may increase the risk of exposure to airborne viral transmission in an indoor area. The Honeywell Transmission Risk Air Monitor is an easy-to-deploy, portable device that measures carbon dioxide and features a proprietary risk alerting system based on different activity levels within a room. This allows end users to proactively improve indoor ventilation, which according to the U.S. Centers for Disease Control and Prevention, can help reduce the spread of certain diseases and decrease the risk of exposure among building occupants.

Research conducted by scientists at the University of Colorado has shown that real-time monitoring of indoor ambient air can be an indicator of increased risk of airborne viral transmission, utilizing different levels of risk-based factors such as CO₂ concentration levels and the type of human activity in the area. Using this guidance and Honeywell algorithms, we identified air quality conditions that are driven by common activities and variables such as average room size, number of people present,

breathing rate, and duration. The device comes with three pre-programmed indoor activity settings: low activity (movie theaters, libraries, and classrooms), medium activity (restaurants, offices, small clinics), and high activity (gyms, indoor arenas, recreation centers) and is recommended for coverage of 800-1000 square feet. For each setting, the monitor provides indications using a traffic light pattern (green, yellow, or red) and a sound alarm so users can be aware of conditions that may increase the risk of airborne transmission based on detectable CO₂ levels.

The Analogue 1 Series Sensor Range



City Technology's 1 Series demonstrates a significant reduction in size from previous sensing technology, enabling slim-profile gas detector design.

The sensors have turrets to mount into the instrument's front panel in order to minimise instrument height. This revolutionary design simplifies gas access to the sensor face and features an option for a replaceable external membrane.

1 Series sensors are designed to meet multiple performance standards, including ANSI/ISA 92.00.01-2010, BS EN 45544-1:2015, and AS/NZS 4641-2007.

Oxygen & Toxics

Technology	Application	Instrumentation Type	Target Gas	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	O ₂	None	102	80-130 µA/ppm	0.6 - 25%vol.	30%vol.	>5 years in air
			CO	To remove acid gases	1CO	50 ± 10 nA/ppm	0.5-1000 ppm	2000 ppm	>5 years in air
			H ₂ S	None	1H2S	175 ± 35 nA/ppm	0.5 - 200 ppm	500 ppm	>5 years in air
			SO ₂	To remove H ₂ S	1SO2	160 ± 50 nA/ppm	0-1-50 ppm	150 ppm	>5 years in air

Combustibles

Technology	Application	Instrumentation Type	Product Name	Measurement Range	Sensitivity	Operating Voltage	Operating Current	Expected Operating Life
Catalysis	Industrial Safety	Portable	1LEL75	0 - 100%LEL	31 ± 5 mV/%CH ₄	3.3 VDC	84 mA max.	>3 years in air
			1LEL75C	0 - 100%LEL	31 ± 5 mV/%CH ₄	3.3 VDC	84 mA max.	>3 years in air
			1LEL75M	0 - 100%LEL	31 ± 5 mV/%CH ₄	3.3 VDC	84 mA max.	>3 years in air

City Technology's A3-AAQ Range of Air Quality Sensors

Value to Customers

Individual Compensation for Temperature and Cross Sensitivity

High Resolution

Low Detection Limit

High Correlation with Control Station

Custom-built Low Noise Board Achieves High Accuracy at ppb Levels

Air pollution has long been considered a significant health issue. Many areas, including major cities, are often significantly above legal and recommended levels.

Air pollution is a major cause of diseases such as asthma, lung disease, stroke, and heart disease, and is estimated to cause forty thousand premature deaths each year in the UK alone.

Air quality targets for particulates, nitrogen dioxide and ozone are set by the Department for Environment, Food and Rural Affairs (DEFRA). These targets are mostly aimed at local government representatives responsible for the management of air quality in cities, where air quality management is the most urgent.

City Technology's new AQ3 range of toxic gas sensors is designed specifically for air quality monitoring. The sensors are highly capable of the low ppb measurement required for air quality monitoring. Target gases include nitrogen dioxide, ozone, carbon monoxide and sulfur dioxide.

Nitrogen Dioxide



AQ3-N02

Nitrogen Dioxide
Air Quality Sensor

Sulfur Dioxide



AQ3-S02

Sulfur Dioxide
Air Quality Sensor

Carbon Monoxide



AQ3-CO

Carbon Monoxide
Air Quality Sensor

Ozone



AQ3-O3

Ozone
Air Quality Sensor

Honeywell's Commercial CO₂ Sensor



Description

The CRIR Commercial Carbon Dioxide sensor is a single channel, non-dispersive infrared (NDIR) sensor. Within the CRIR is a sensing chamber with an infrared source at one end and a detector fitted with an optical filter at the other end.

The source emits radiation at wavelengths which include the absorption band of CO₂. The filter blocks wavelengths which are not sensitive to the CO₂, thereby increasing selectivity and sensitivity. As the light passes through the sensing chamber, a fraction is absorbed if CO₂ is present. The difference between the light emitted by the source and received by the detector can then be converted to a CO₂ concentration reading.

The Automatic Baseline Correction (ABC) function can automatically calibrate the sensor's lowest reading over a pre-configured interval to 400 ppm CO₂. This enhances long term stability and may eliminate the need for calibration.

Features

- Single channel, non-dispersive infrared technology
- Measurement range: 400 ppm to 2000 ppm
- Extended range: Up to 10000 ppm
- Automatic baseline correction
- Temperature compensation

Potential Applications

- HVAC, demand controlled ventilation
- Indoor air quality (IAQ) measurement
- Air purification systems
- Smart / IoT (Internet of Things) systems

Value to Customers

- Small size
- Maintenance free for normal indoor applications
- Enhanced long term stability
- High accuracy: ± 50 ppm $\pm 5\%$ of reading
- Consistency and repeatability
- Easy Intergration

Lead-Free Oxygen Sensors

Restrictions on Use of Certain Hazardous Substances (RoHS) Directive

This EU Directive covers the restrictions on the use of six highly toxic materials in electrical equipment - namely lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers.

Electrical equipment are segmented into eleven different categories, detailed in Annex 1 of the Directive. Oxygen sensors fall into Category 9 (Industrial Monitoring and Control Instruments) and came into scope of the RoHS Directive on 22nd July 2017.

There are number of exemptions from the restricted use of these hazardous materials (listed in Annex III and Annex IV of the Directive) of which the most relevant is the use of lead anodes in electrochemical oxygen sensors (from Annex IV). This exemption is valid for a maximum of 7 years from 22nd July 2017..

After this date, lead based oxygen sensors cannot be used in new instruments sold or used in EU territories, although replacement lead-based sensors will be allowed for instruments already in the field.



Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Output	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	1 Series	None	102	80-130 μ A/ppm	0.6 - 25%vol.	30%vol.	>5 years in air
			4 Series	None	40xLL	80-130 μ A/ppm	0-25%vol.	30%vol.	>5 years in air
	Emissions	Portable	4 Series	None	40xLL	80-130 μ A/ppm	0-25%vol.	30%vol.	>7 years in air
		Fixed	5 Series	None	50xLL	80-130 μ A/ppm	0-25%vol.	30%vol.	>7 years in air

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Output	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	4 Series	None	40XV	0.1 ± 0.02 mA in air	0-25%vol.	30%vol.	2 years in air
		Portable / Fixed	7 Series	None	70XV	0.195 - 0.25 mA in air	0-25%vol.	30%vol.	2 years in air
					T70XV	4-20 mA	0-25%vol.	30%vol.	2 years in air
			-	None	CNLH	13 -17 mV across 10 Ω	0-2 ppm	1000 ppm	-
		Emissions	Portable / Fixed	-	None	2FO	0.41 - 0.07 mA in air	0-25%vol.	30%vol.
	2FO-N					0.41 - 0.07 mA in air	0-25%vol.	30%vol.	2 years in air
	5 Series					None	5FO	0.41 - 0.05 mA in air	0-25%vol.
	Medical	For use in anesthesia equipment	-	None	MOX1	9-13 mV in 210 mBar O ₂	100%vol.	100%vol.	1 x 10 ⁶ % O ₂ hrs
					MOX2	9-13 mV in 210 mBar O ₂	100%vol.	100%vol.	1 x 10 ⁶ % O ₂ hrs
					MOX3	9-13 mV in 210 mBar O ₂	100%vol.	100%vol.	1 x 10 ⁶ % O ₂ hrs
					MOX4	See datasheet	100%vol.	100%vol.	See datasheet
					MOX6	11-15 mV with 300 Ω external load resistance in 209 mBar O ₂ @ 20 C	100%vol.	100%vol.	940000% O ₂ hrs
					MOX9	9-13 mV in 210 mBar O ₂	100%vol.	100%vol.	900000% O ₂ hrs
					MOX20	0.8 - 1.25 V in air	100%vol.	100%vol.	2 years in air
	Diving	For checking SCUBA equipment	-	None	Divecel3	3.9 - 13.5 mV in 21 mBar O ₂	100%vol.	100%vol.	2 years in air
					D03	25-35 mV in 210 mBar O ₂	100%vol.	100%vol.	2 years in air
					Automotive	Portable / Fixed	-	None	A02
	A03	9-13 mV in 210 mBar O ₂	100%vol.	100%vol.					2 years in air

Ammonia (NH₃)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	None	NH3 3E 100	90 ± 40 nA/ppm	0 - 100 ppm	>18 months in air
					NH3 3E 100 SE	130 ± 30 nA/ppm	0 - 100 ppm	>2 years in air
					NH3 3E 500 SE	35 ± 15 nA/ppm	0 - 500 ppm	>2 years in air
					NH3 3E 1000	6 ± 3 nA/ppm	0 - 1000 ppm	>18 months in air
					NH3 3E 1000 SE	8 ± 4 nA/ppm	0 - 1000 ppm	>2 years in air
					NH3 3E 5000 SE	4 ± 2 nA/ppm	0 - 5000 ppm	>2 years in air

Arsine (AsH₃)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	None	ASH3 3E 1 LT	1.4 ± 0.45 µA/ppm	0 - 1 ppm	20 ppm	>2 years in air
				H ₂ S Filter	ASH3 3E 1 F LT	1.4 ± 0.45 µA/ppm	0 - 1 ppm	20 ppm	>2 years in air

Carbon Dioxide (CO₂)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Expected Operating Life
NDIR	Industrial Safety	Portable	Sensoric	None	IRceL CO2	See Datasheet	0 - 5%vol.	>5 years in air



Carbon Monoxide (CO)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	1 Series	To remove acid gases	1CO	50 ± 10 nA/ppm	0.5-1000 ppm	2000 ppm	>5 years in air
			MICRO	To remove H ₂ S & SO ₂	MICROceL CF	45 ± 10 nA/ppm	0-500 ppm	1500 ppm	>2 years in air
			4 Series	To remove H ₂ S & SO ₂	2CF3	50 ± 20 nA/ppm	0-500 ppm	1000 ppm	>2 years in air
					4CF+	70 ± 15 nA/ppm	0-500 ppm	1500 ppm	>2 years in air
					4CM	70 ± 15 nA/ppm	0-2000 ppm	-	>2 years in air
					4LXH	200 ± 65 nA/ppm	0-200 ppm	300 ppm	>2 years in air
			Portable / Fixed	7 Series	None	7E	100 ± 20 nA/ppm	0-1000 ppm	2000 ppm
		A7E (note 1)				100 ± 20 nA/ppm	0-1000 ppm	2000 ppm	>3 years in air
		To remove SO _x /NO _x & H ₂ S			7EF	100 ± 20 nA/ppm	0-1000 ppm	2000 ppm	>3 years in air
					7EFF	100 ± 20 nA/ppm	0-1000 ppm	2000 ppm	>3 years in air
					A7EF (note 1)	100 ± 20 nA/ppm	0-1000 ppm	2000 ppm	>3 years in air
					Sensoric	None	CO 2E 300	30 ± 12 nA/ppm	0-300 ppm
		CO 3E 500		70 ± 20 nA/ppm			0-500 ppm	-	>4 years in air
		Fixed		3 Series	None	3E	100 ± 20 nA/ppm	0-1000 ppm	2000 ppm
			2EF			100 ± 20 nA/ppm	0-200 ppm	500 ppm	>2 years in air
			3EF			100 ± 20 nA/ppm	0-1000 ppm	2000 ppm	>3 years in air
			3mef			1 mV/ppm 10 mV/ppm	0-2000 ppm	-	>3 years in air
			To remove SO _x /NO _x & H ₂ S		T3EF	4-20 mA	-	0-50 ppm	>3 years in air
							-	0-100 ppm	
							-	0-200 ppm	
		-	0-300 ppm						
		-	0-1000 ppm						
		-	0-2000 ppm						

Note 1: Incorporates an auxillary electrode for hydrogen compensation

Carbon Monoxide (CO) - continued

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Emissions	Portable	4 Series	To remove acid gases	4F	70 ± 15 nA/ppm	0-10000 ppm	20000 ppm	???
					4MF	15 ± 5 nA/ppm	0-40000 ppm	10%vol.	>5 years in air
		Portable / Fixed	5 Series	To remove acid gases	5F	30 ± 6 nA/ppm	0-4000 ppm	20000 ppm	>3 years in air
					5MF	10 ± 4 nA/ppm	0-40000 ppm	10%vol.	>3 years in air
					A5F (note 2)	75 ± 25 nA/ppm	0-2000 ppm	4000 ppm	>3 years in air
					A5F+ (note 2)	60 ± 20 nA/ppm	0-10000 ppm	20000 ppm	>3 years in air
					TCO	62 ± 12 nA/ppm	0-2000 ppm	10000 ppm.	>2 years in air
		Fixed	3 Series	None	3M	7 ± 2 nA/ppm	0-40000 ppm	10%vol.	>3 years in air
					A3CO (note 1)	200 ± 20 nA/ppm	0-500 ppm	1000 ppm	>3 years in air
				To remove acid gases	3FD	30 ± 6 nA/ppm	0-4000 ppm	20000 ppm	>3 years in air
					3FF	30 ± 6 nA/ppm	0-4000 ppm	20000 ppm	>3 years in air
					3MF	7 ± 2 nA/ppm	0-40000 ppm	10%vol.	>3 years in air
					A3ED (note 2)	75 ± 25 nA/ppm	0-2000 ppm	4000 ppm	>2 years in air
					A3EF (note 2)	75 ± 25 nA/ppm	0-2000 ppm	4000 ppm	>2 years in air
					A3MED (note 2)	1 mV/ppm	0-4000 ppm	-	>2 years in air
					A3MEF (note 2)	1 mV/ppm	0-4000 ppm	-	>2 years in air
					3MFF	0.1 mV/ppm	0-20000 ppm	-	>3 years in air
		T3FF	4-20 mA	0-500 ppm 0-1000 ppm 0-2000 ppm 0-3000 ppm 0-4000 ppm 0-10000 ppm 0-20000 ppm	- - - - - - -	>3 years in air			
	Medical	Portable /Fixed	3 Series	To remove acid gases and alcohol	A2EF (note 2)	150 ± 30 nA/ppm	0-200 ppm	1000 ppm	>2 years in air
					A3EF (note 2)	75 ± 25 nA/ppm	0-2000 ppm	4000 ppm	>3 years in air
Domestic	Portable	ECOSURE	None	ECOSURE	45 ± 15 nA/ppm	0-500 ppm	1000 ppm	>6 years in air	
				ECOSURE	45 ± 15 nA/ppm	0-500 ppm	1000 ppm	>10 years in air	

Note 1 : Incorporates auxillary electrode for baseline compensation
 Note 2 : Incorporates auxillary electrode for hydrogen compensation

Chlorine (Cl₂)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	4 Series	None	4CL	0.6 ± 0.15 µA/ppm	0-10 ppm	100 ppm	>2 years in air
		Portable / Fixed	7 Series	None	7CLH	1 ± 0.25 µA/ppm	0-20 ppm	250 ppm	>2 years in air
			Sensoric	None	CL2 3E 10	0.45 ± 0.2 µA/ppm	0-10 ppm	-	>2 years in air
					CL2 3E 50	0.45 ± 0.2 µA/ppm	0-50 ppm	-	>2 years in air
		Fixed	4 Series	None	3CLH	1 ± 0.25 µA/ppm	0-20 ppm	250 ppm	>2 years in air
					3MCLH	1 mV/ppm 10 mV/ppm	0-100 ppm	-	>2 years in air
					T3CLH	4-20 mA	0-5 ppm 0-10 ppm 0-20 ppm 0-30 ppm 0-50 ppm 0-100 ppm 0-200 ppm	- - - - - - -	>2 years in air

Chlorine Dioxide (ClO₂)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	None	CL02 3E 1 0	0.45 ± 0.2 µA/ppm	0-1 ppm	-	>1 years in air



Diborane (B₂H₆)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	None	CLO2 3E 1 LT	2.2 ± 0.5 µA/ppm	0-1 ppm	-	>2 years in air

Dual Gas (CO/H₂S)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	4 Series	To remove H ₂ S on CO channel	4ETO	80 ± 30 nA/ppm CO 775 ± 275 nA/ppm H ₂ S	0-500 ppm CO 0-200 ppm H ₂ S	1500 ppm CO 500 ppm H ₂ S	>3 years in air

Ethylene Oxide (C₂H₄O)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	4 Series	None	4ETO	1.9 ± 0.5 µA/ppm	0-20 ppm	100 ppm	>2 years in air
		Portable / Fixed	7 Series	None	7ETO	2.25 ± 0.65 µA/ppm	0-20 ppm	100 ppm	>2 years in air
		Fixed	3 Series	None	3ETO	2.75 ± 0.5 µA/ppm	0-20 ppm	100 ppm	>2 years in air

Fluorine (F₂)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	None	F2 3E 1	1.0 ± 0.3 µA/ppm	0 - 1 ppm	-	>18 months in air

Hydrogen (H₂)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life	
Electrochemical	Industrial Safety	Portable	4 Series	To reduce CO levels	4HYT	15 ± 10 nA/ppm	0-1000 ppm	2000 ppm	>2 years in air	
		Portable / Fixed	7 Series	None	7HYE	3 ± 1 nA/ppm	0-10000 ppm	20000 ppm	>2 years in air	
				To reduce CO levels	7HYT	30 ± 10 nA/ppm	0-1000 ppm	2000 ppm	>2 years in air	
			Sensoric	To remove TLV levels of interfering gases	H2 3E 1%	10 ± 5 nA/ppm	0-10000 ppm	-	>2 years in air	
		H2 3E 4%			1.0 ± 0.5 nA/ppm	0-40000 ppm	-	>2 years in air		
		Fixed	None	3 Series	3HYE	3 ± 1 nA/ppm	0-10000 ppm	20000 ppm	>2 years in air	
					3MHYE	0.1 mV/ppm	0-20000 ppm	-	>2 years in air	
					T3HYE	4-20 mA	0-2%vol 0-5%vol	- -	>2 years in air	
			To reduce CO levels	3HYT	30 ± 10 nA/ppm	0 - 1000 ppm	2000 ppm	>2 years in air		
				3MHYT	1 mV/ppm	0-2000 ppm	-	>2 years in air		
				T3HYT	4-20 mA	200 ppm 0-300 ppm 0-500 ppm 0-1000 ppm 0-2000 ppm	- - - - -	>2 years in air		
		Medical	Portable / Fixed	3 Series	To remove trace alcohol	MHYT1	30 ± 10 nA/ppm	0 - 1000 ppm	2000 ppm	>2 years in air



Hydrogen Chloride (HCl)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	7 Series	None	7HL	0.75 ± 0.25 µA/ppm	0-50 ppm	100 ppm	>2 years in air
			Sensoric	None	HCL 3E 30	140 ± 60 nA/ppm	0-30 ppm	-	>2 years in air
		Fixed	3 Series	None	3HL	0.75 ± 0.25 µA/ppm	0-50 ppm	100 ppm	>2 years in air
					3MHL	1 mV/ppm	0-100 ppm	-	>2 years in air
					T3HL	4-20 mA	0-10 ppm	-	>2 years in air
							0-20 ppm	-	
0-50 ppm	-								
0-100ppm	-								
0-200 ppm	-								

Hydrogen Cyanide (HCN)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	4 Series	None	4HN	100 ± 20 nA/ppm	0-50 ppm	100 ppm	>2 years in air
		Portable / Fixed	7 Series	None	7HCN	100 ± 20 nA/ppm	0-100 ppm	200 ppm	>1 year in air
			Sensoric	To remove H ₂ S, SO ₂ and HCl	HCN 3E 30 F	100 30 nA/ppm	0-30 ppm	-	>18 months in air
		Fixed	3 Series	None	3HCN	100 ± 20 nA/ppm	0-100 ppm	200 ppm	>2 years in air

Hydrogen Fluoride (HF)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	None	HF 3E 10 SE	0.3 ± 0.1 µA/ppm	0 - 10 ppm	-	>18 months in

Hydrogen Selenide (SeH₂)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	None	SEH2 3E 5 LT	1.1 ± 0.5 µA/ppm	0-5 ppm	10 ppm	<2 years in air

Hydrogen Sulfide (H₂S)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	1 Series	None	1H2S	175 ± 35 nA/ppm	0.5 - 200 ppm	500 ppm	<5 years in air
			MICRO	None	MICROcel HS	125 ± 25 nA/ppm	0-100 ppm	1000 ppm	<2 years in air
			4 Series	None	4H	1.2 ± 0.25 µA/ppm	0-100 ppm	500 ppm	<2 years in air
					4HLM	1.2 ± 0.25 µA/ppm	0-100 ppm	500 ppm	<2 years in air
					4HS+	0.7 ± 0.15 µA/ppm	0-100 ppm	500 ppm	<2 years in air
		Portable / Fixed	7 Series	None	7H	0.37±0.07 µA/ppm	0-200 ppm	1000 ppm	<2 years in air
					7HLM	0.37±0.07 µA/ppm	0-200 ppm	1000 ppm	<2 years in air
					7HH	1.7 ± 0.3 µA/ppm	0-50 ppm	500 ppm	<2 years in air
					7HHLM	1.7 ± 0.3 µA/ppm	0-50 ppm	500 ppm	<2 years in air
			Sensoric	None	H2S 2E 30	60 ± 30 nA/ppm	0-30 ppm	-	<2 years in air
					H2S 2E 50 S	380 ± 80 nA/ppm	0-50 ppm	-	<2 years in air
					H2S 3E 30	100 ± 30 nA/ppm	0-30 ppm	-	<2 years in air
		Fixed	3 Series	None	H2S 3E 100	750 ± 150 nA/ppm	0-100 ppm	-	<2 years in air
					H2S 3E 100 S	750 ± 150 nA/ppm	0-100 ppm	-	<2 years in air
		Fixed	3 Series	None	H2S 3E 2000 S	See Datasheet	0-2000 pm	-	<2 years in air
					3H	0.37±0.07 µA/ppm	0-200 ppm	1000 ppm	<2 years in air
					3HLM	0.37±0.07 µA/ppm	0-200 ppm	1000 ppm	<2 years in air
					3HH	1.7 ± 0.3 µA/ppm	0-50 ppm	500 ppm	<2 years in air
					3HHLM	1.7 ± 0.3 µA/ppm	0-50 ppm	500 ppm	<2 years in air
					3MH	1 mV/ppm 10 mV/ppm	0-500 ppm	-	<2 years in air
					T3H	4-20 mA	0-5 ppm 0-10 ppm 0-20 ppm 0-30 ppm 0-50 ppm 0-100 ppm 0-200 ppm 0-300 ppm	- - - - - - - -	<2 years in air

Mercaptan

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	None	TBM 2E	See Datasheet	See Datasheet	-	>1 year in air

Nitric Oxide (NO)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	4 Series	None	4NT	0.4 ± 0.08 µA/ppm	0-250 ppm	1000 ppm	>2 years in air
		Portable / Fixed	7 Series	None	7NT	0.55 ± 0.11 µA/ppm	0-100 ppm	1500 ppm	>3 years in air
			Sensoric	None	NO 3E 100	45 ± 15 nA/ppm	0-100 ppm	-	>2 years in air
		Fixed	3 Series	None	3NT	0.55 ± 0.11 µA/ppm	0-100 ppm	300 ppm	>3 years in air
					3MNT	1 mV/ppm	0-1000 ppm	-	>3 years in air
			3 Series	None	T3NT	4-20 mA	0-20 ppm	-	>3 years in air
							0-30 ppm	-	
		0-50 ppm	-						
		0-100 ppm	-						
	0-200 ppm	-							
	0-300 ppm	-							
	Emmsions	Portable / Fixed	5 Series	To remove SO ₂	5NF (note 1)	0.1 ± 0.02 µA/ppm	0-1000 ppm	5000 ppm	>3 years in air
					3NFF	0.1 ± 0.02 µA/ppm	0-5000 ppm	10000 ppm	>2 years in air
					3MNFF	1 mV/ppm	0-5000 ppm	-	>2 years in air
		Fixed	3 Series	To remove SO ₂	T3NFF	4-20 mA	0-100 ppm	-	>3 years in air
							0-200 ppm	-	
0-300 ppm	-								
0-500 ppm	-								
0-1000 ppm	-								
0-5000 ppm	-								
Medical	Portable	4 Series	To remove acid gases	MNO-LO	1.2 ± 0.5 µA/ppb	0-300 ppb	500 ppm	>2 years in air	
	Portable / Fixed	3 Series	None	MNO1 (note 2)	0.25 ± 0.05 µA/ppm	0-100 ppm	1500 ppm	>1 year in air	
		7 Series	None	MNO2 (note 2)	0.25 ± 0.05 µA/ppm	0-100 ppm	1500 ppm	>1 year in air	
	Automotive	Portable / Fixed	-	To remove SO ₂	NX1 (note 2)	See datasheet	0-5000 ppm	5000 ppm	See datasheet

Nitrogen Dioxide (NO₂)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	4 Series	None	4ND	0.6 ± 0.15 µA/ppm	0-20 ppm	150 ppm	>2 years in air
		Portable / Fixed	7 Series	None	7NDH	1.4 ± 0.3 µA/ppm	0-20 ppm	200 ppm	>2 years in air
			Sensoric	None	NO2 3E 50	200 ± 40 nA/ppm	0-50 ppm	-	>2 years in air
		Fixed	3 Series	None	3NDH	1.4 ± 0.3 µA/ppm	0-20 ppm	300 ppm	>2 years in air
					3MNDH	1 mV/ppm 10 mV/ppm	0-200 ppm	-	>2 years in air
					T3NDH	4-20 mA	0-5 ppm 0-10 ppm 0-20 ppm 0-50 ppm	- - - -	>2 years in air
	Emmsions	Portable / Fixed	5 Series	None	5ND	0.37±0.07 µA/ppm	0-200 ppm	500 ppm	>2 years in air
		Fixed	3 Series	None	3ND	0.37±0.07 µA/ppm	0-100 ppm	1000 ppm	>2 years in air
					T3ND	4-20 mA	0-300 ppm	-	>2 years in air
	Environmental	Fixed	3 Series	None	A3OZ (note 1)	2.2 ± 0.5 µA/ppm	0-10 ppm	100 ppm	>2 years in air
	Medical	Portable / Fixed	3 Series	None	MND1S (note 1)	0.2 ± 0.1 µA/ppm	0-50 ppm	200 ppm	>1 years in air
			7 Series	None	MND2 (note 1)	0.2 ± 0.1 µA/ppm	0-50 ppm	200 ppm	>1 years in air



Ozone (O₃)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	7 Series	None	70Z	7.2 ± 2.3 µA/ppm	0-2 ppm	5 ppm	>2 years in air
					703	76 ± 2 µA/ppm	0-2 ppm	5 ppm	>2 years in air
		Sensoric	None	03 3E 1	1.5 ± 0.5 µA/ppm	0-1 ppm	-	>18 months in air	
				03 3E 1 F	450 ± 150 nA/ppm	0-1 ppm	-	>18 months in ai	
	Fixed	3 Series	None	30Z	7.2 µA/ppm ± 20%	0-2 ppm	5 ppm	>2 years in air	
Emissions	Fixed	3 Series	None	A30Z (note 1)	2.2 ± 0.5 µA/ppm	0-10 ppm	100 ppm	>2 years in air	

Note 1 : Incorporates auxillary electrode for baseline compensation

Phosgene (COCl₂)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	To remove H ₂ S	COCL2 3E 1	.650 ± 150 nA/ppm	0-1 ppm	-	>1 year in air

Phosphine (PH₃)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	4 Series	None	4PH-Fast	1.7 ± 0.3 µA/ppm	0-5 ppm	20 ppm	>2 years in air
		Portable / Fixed	Sensoric	To remove H ₂ S	PH3 3E 5 LT	2.2 ± 0.5 µA/ppm	0-5 ppm	20 ppm	>2 years in air
				None	PH3 3E 5 F L	2.0 ± 0.5 µA/ppm	0-5 ppm	20 ppm	>2 years in air

Silane (SiH₄)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable / Fixed	Sensoric	None	SIH4 3E 50 LT	.130 ± 70 nA/ppm	0-50 ppm	50 ppm	>2 year in air

Sulfur Dioxide (SO₂)

Technology	Application	Instrumentation Type	Product Range	Filter	Product Name	Sensitivity	Measurement Range	Maximum Overload	Expected Operating Life
Electrochemical	Industrial Safety	Portable	1 Series	To remove H ₂ S	1S02	160 ± 50 nA/ppm	0.1-50 ppm	150 ppm	>5
			4 Series	To remove H ₂ S	4S Rev2	0.5 ± 0.1 µA/ppm	0-20 ppm	150 ppm	>2 years in air
		Portable / Fixed	7 Series	None	7SH	1.25±0.25 µA/ppm	0-20 ppm	100 ppm	>2 years in air
				To remove H ₂ S	7STF	0.37±0.07 µA/ppm	0-100 ppm	500 ppm	>2 years in air
		Fixed	3 Series	None	3SH	1.25±0.25 µA/ppm	0-20 ppm	100 ppm	>2 years in air
					T3SH	4-20 mA	0-5 ppm 0-10 ppm 0-20 ppm 0-30 ppm 0-50 ppm 0-100 ppm	- - - - -	>2 years in air
				To remove H ₂ S	3STF	0.37±0.07 µA/ppm	0-100 ppm	500 ppm	>2 years in air
					3MSTF	1 mV/ppm 10 mV/ppm	0-500 ppm 0-100 ppm	- -	>2 years in air
					T3STF	4-20 mA	0-10 ppm 0-20 ppm 0-30 ppm 0-50 ppm 0-100 ppm 0-200 ppm	- - - - -	>2 years in air
	Emissions	Portable / Fixed	5 Series	None	5SF	0.1 ± 0.2 µA/ppm	0-2000 ppm	5000 ppm	>2 years in air
				To remove H ₂ S & HCl	5SFF	0.1 ± 0.2 µA/ppm	0-2000 ppm	5000 ppm	>2 years in air
			Fixed	3 Series	To remove H ₂ S & HCl	3SFF	0.1 ± 0.2 µA/ppm	0-2000 ppm	5000 ppm
		None			3SF	0.1 ± 0.2 µA/ppm	0-2000 ppm	5000 ppm	>2 years in air
					A3STF (note 1)	0.6 ± 0.12 µA/ppm	0-10 ppm	100 ppm	>2 years in air
T3SF	1 mV/ppm	0-5000 ppm	-	>2 years in air					
	4-20 mA	0-10 ppm 0-500 ppm 0-1000 ppm	- - -	>2 years in air					

Note 1 : Incorporates auxillary electrode for baseline compensation

Technology	Application	Instrumentation Type	Product Range	Product Name	Measurement Range	Sensitivity	Operating Voltage	Operating Current	Expected Operating Life
Catalysis	Industrial Safety	Portable	1 Series	1LEL75	0 - 100%LEL	31 ± 5 mV/%CH ₄	3.3 VDC	84 mA max.	>3 years in air
				1LEL75C	0 - 100%LEL	31 ± 5 mV/%CH ₄	3.3 VDC	84 mA max.	>3 years in air
				1LEL75M	0 - 100%LEL	31 ± 5 mV/%CH ₄	3.3 VDC	84 mA max.	>3 years in air
			MICRO	MICROpeL 75	0 - 100%LEL	31 ± 5 mV/%CH ₄	3.3 VDC	78 ± 6 mA	>3 years in air
				MICROpeL 75C	0 - 100%LEL	31 ± 5 mV/%CH ₄	3.3 VDC	78 ± 6 mA	>3 years in air
				MICROpeL 75M	0 - 100%LEL	31 ± 5 mV/%CH ₄	3.3 VDC	78 ± 6 mA	>3 years in air
			4 Series	4P50	0 - 100%LEL	37 ± 5 mV/%CH ₄	4.25 VDC	56 ± 6 mA	>3 years in air
				4P75	0 - 100%LEL	24 ± 4 mV/%CH ₄	3.0 VDC	75 ± 7 mA	>3 years in air
				4P90	0 - 100%LEL	28 ± 5 mV/%CH ₄	3.3 VDC	28 ± 5 mA	>3 years in air
				4P50C	0 - 100%LEL	37 ± 5 mV/%CH ₄	4.25 VDC	56 ± 6 mA	>3 years in air
				4P75C	0 - 100%LEL	24 ± 4 mV/%CH ₄	3.0 VDC	75 ± 7 mA	>3 years in air
				4P75C T4	0 - 100%LEL	24 ± 4 mV/%CH ₄	3.0 VDC	75 ± 7 mA	>3 years in air
				4P90C	0 - 100%LEL	28 ± 5 mV/%CH ₄	3.3 VDC	28 ± 5 mA	>3 years in air
				4P50M	0 - 100%LEL	37 ± 5 mV/%CH ₄	4.25 VDC	56 ± 6 mA	>3 years in air
				4P75M	0 - 100%LEL	24 ± 4 mV/%CH ₄	3.0 VDC	75 ± 7 mA	>3 years in air
				4P90M	0 - 100%LEL	28 ± 5 mV/%CH ₄	3.3 VDC	28 ± 5 mA	>3 years in air
			-	CMP200	0 - 100%LEL	30.5±3.5 mV/%CH ₄	3.3 VDC	68 mA	>3 years in air
				P90E	0 - 100%LEL	28 ± 5 mV/%CH ₄	3.5 VDC	75 VDC	>3 years in air
				200NE	0 - 100%LEL	14 ± 2 mV/%CH ₄	2.0 VDC	180 VDC	>3 years in air
		300PZ		0 - 100%LEL	13 ± 2 mV/%CH ₄	2.7 VDC	280 mA	>2 years in air	
		CAT25		0 - 100%LEL	>25 mV/%CH ₄	3.3 VDC	70 ± 5 mA	>2 years in air	
		Fixed	-	CDH300	0 - 100%LEL	14 ± 2 mV/%CH ₄	2.0 VDC	300 mA	>3 years in air



3 Series Accessories

Mounting Nose

A diffusion mounting assembly, the 'nose' adaptor, has been designed for convenient mounting in a wide range of weatherproof housings. Moulded in resilient polyester, the nose adaptor requires a 25mm diameter hole in the outside wall of the housing to allow installation. The Mounting Nose also features the calibration plug for easy zeroing and exposure to calibration gas. A bonded membrane and mesh is employed to prevent the ingress of dirt and dust particles into the CiTiceL®. 'O'rings and PTFE disks are available separately on request.

Mounting Collar

A diffusion mounting assembly, known as a 'collar', has been designed to mount the 3 Series CiTiceL® inside the case of an instrument with a suitable opening in the wall for gas access. This enables the protective filter membrane to be mounted against the CiTiceL®. It also incorporates a push-in zero/calibration 'plug'. With the connector pipe seals in place, a zero background gas measurement can be made. With the connector pipe seals removed, a suitable calibration gas can be passed across the sensor from a cylinder. 'O'rings and PTFE disks are available separately on request.

Calibration Plug

The Calibration Plug allows for easy zeroing and exposure to calibration gas

Aspiration Fixing

When pumps (particularly diaphragm pumps) are used in aspirated systems, pressure oscillations are introduced into the gas stream which can result in false, enhanced signals from the sensors. The Aspiration Fixing minimises the effect of pumps. The assembly consists of an expansion chamber with a small bleed hole which dampens the flow of gas to the sensor. Flow rates of up to 1 litre/minute can be pumped across the CiTiceL® with no increase in signal. A vent in the top of the hood allows the gas to be vented outside the instrument.

PCB Assembly (mV Output)

A PCB which can be connected to the CiTiceL® to convert the raw output of the sensor into an easy to use mV output.

PCB Transmitter Assembly (4-20 mA Output)

A PCB which can be connected to the CiTiceL® to convert the raw output of the sensor into the industry standard 4-20 mA output.

Other Accessories

IRceL® Evaluation Kit

A kit is available to assist in evaluation of the IRceL®, with all the necessary equipment to begin making gas measurements. The kit includes an evaluation circuit with RS232 output, gas hood and enclosure to simulate an instrument housing and simple to use host software with data logging facility.

MICROceL® / MICROpeL® Connectors

Connectors are available for the easy mounting of MICROceL® and MICROpeL® on circuit boards.

Bayonet Fittings

Bayonet block mounting accessories are available for the 2FO CiTiceL® and for 5 Series sensors, enabling solid mounting and gas tight interfaces in sample drawing instruments.

MOX-2 Cable

A dedicated cable is available for use with the MOX-2.

In-Line SO_x/NO_x Filter

This replaceable filter cartridge is available for use with carbon monoxide CiTiceLs in pumped systems. The filter is designed to be inserted in the gas sampling system to absorb SO₂, NO and NO₂ without affecting the CO concentration.

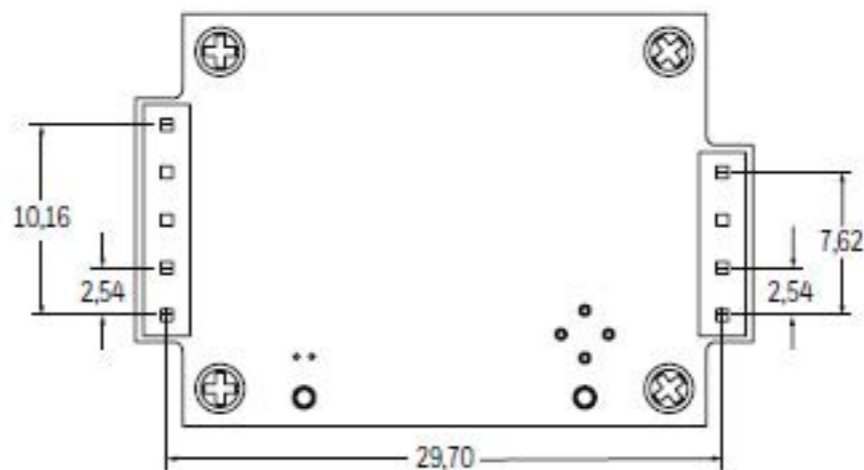
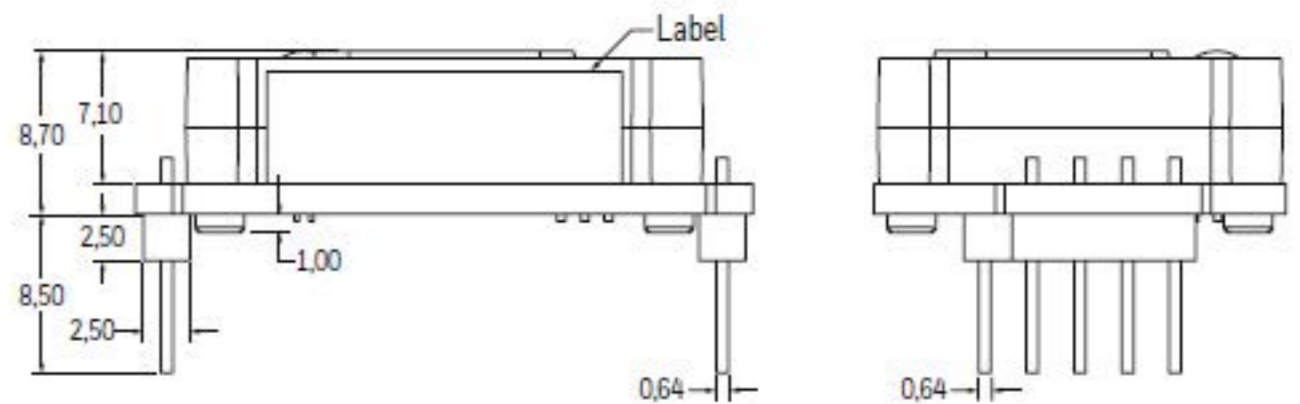
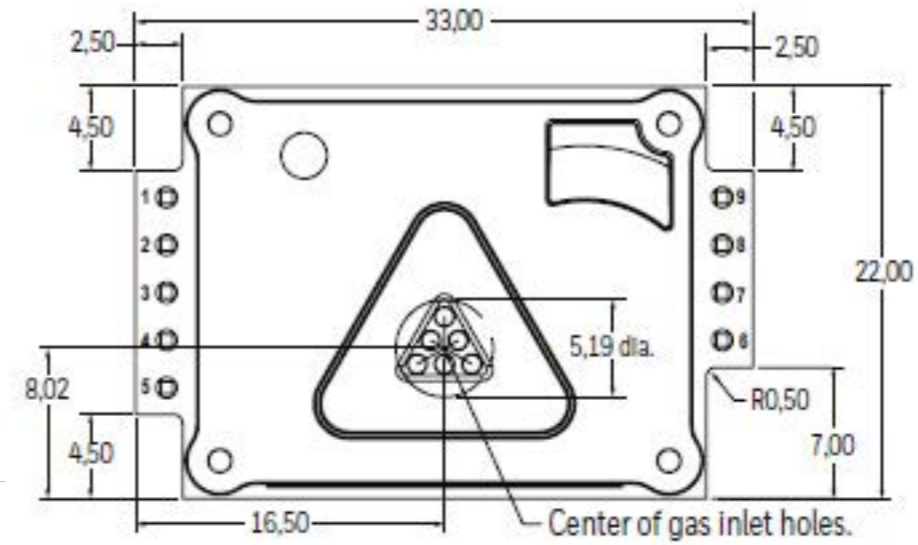
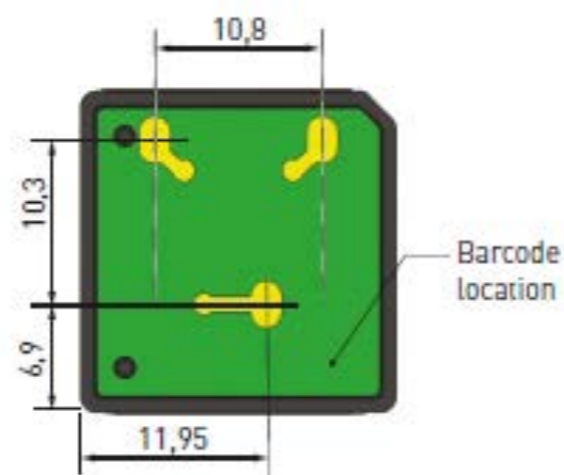
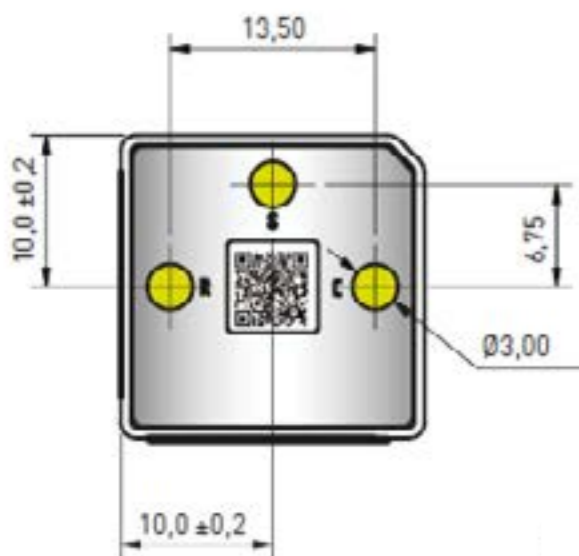
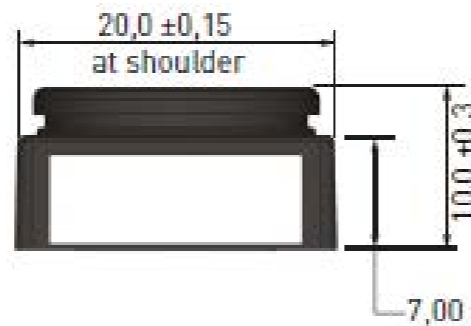
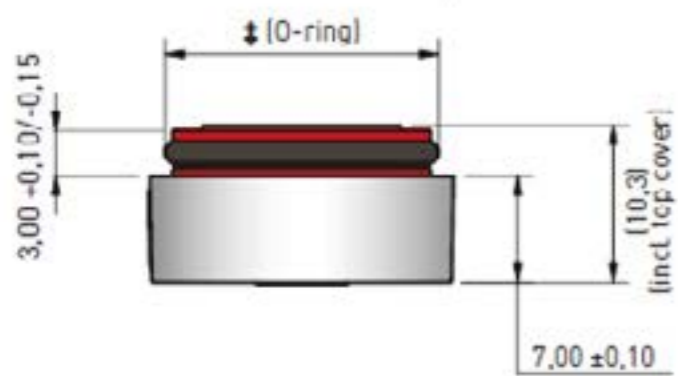
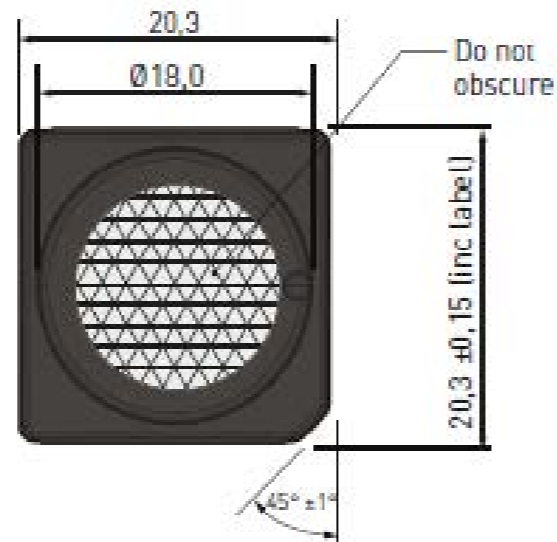
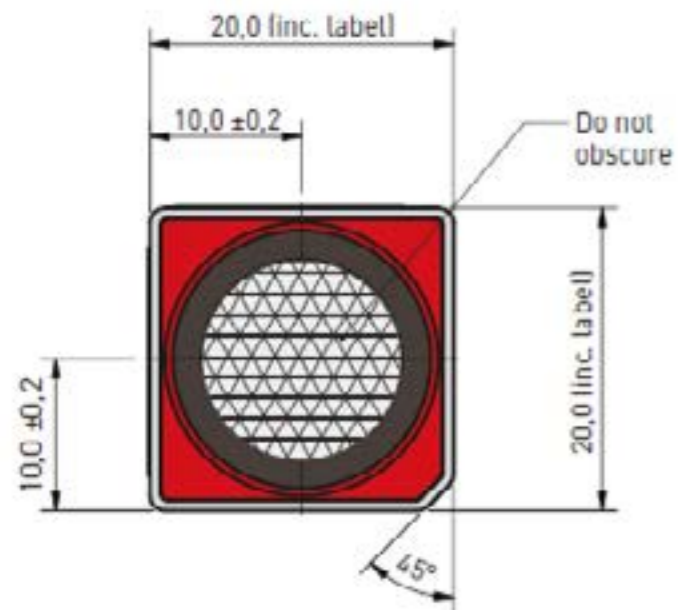


Analogue 1 Series

Commercial CO₂ Sensor (CRIR E1 & CRIR M1)

102,1C0, 1H2S & 1S02

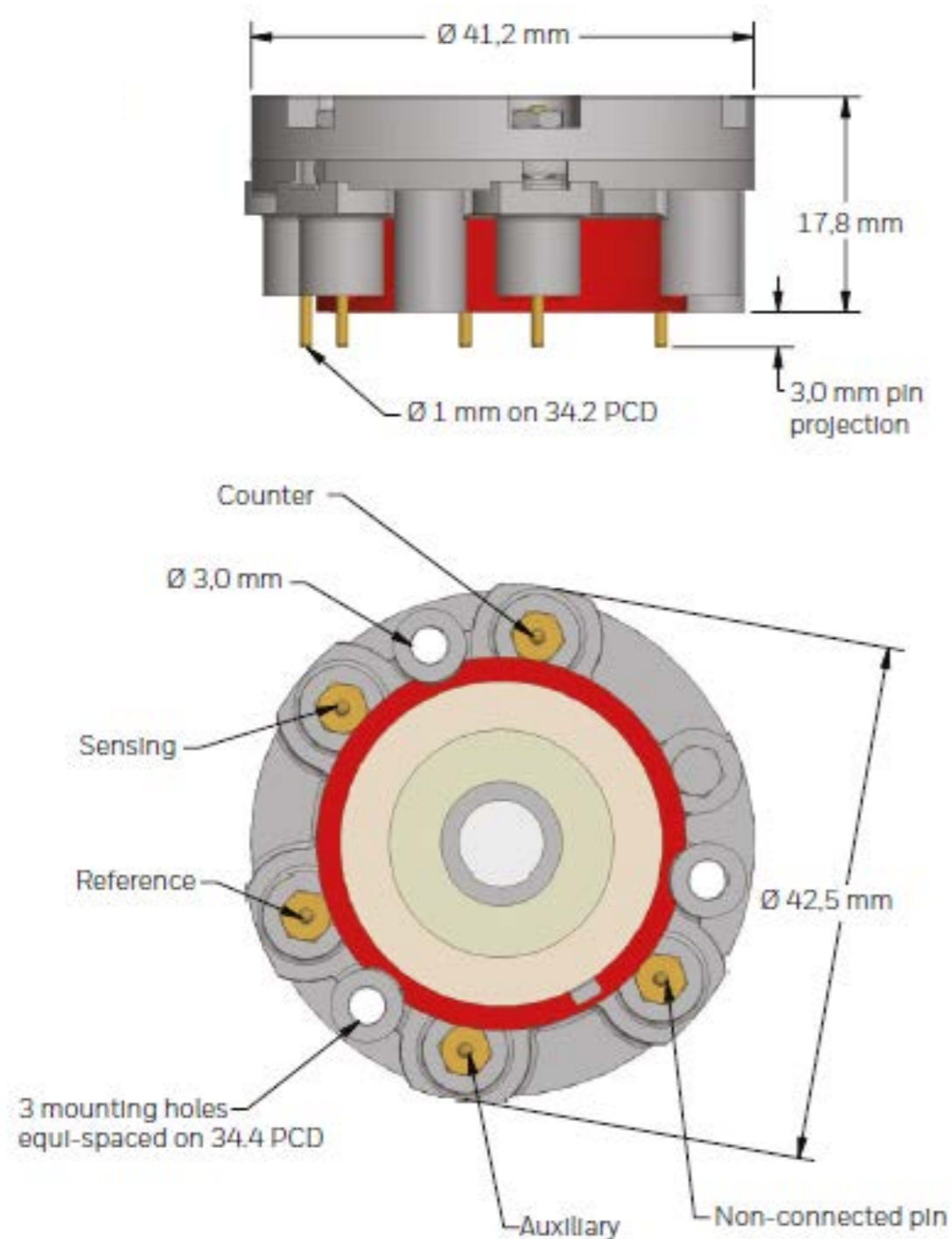
1LEL75



AQ3 Series Air Quality Sensors

AQ3-CO, AQ3-NO2 & AQ3-O3

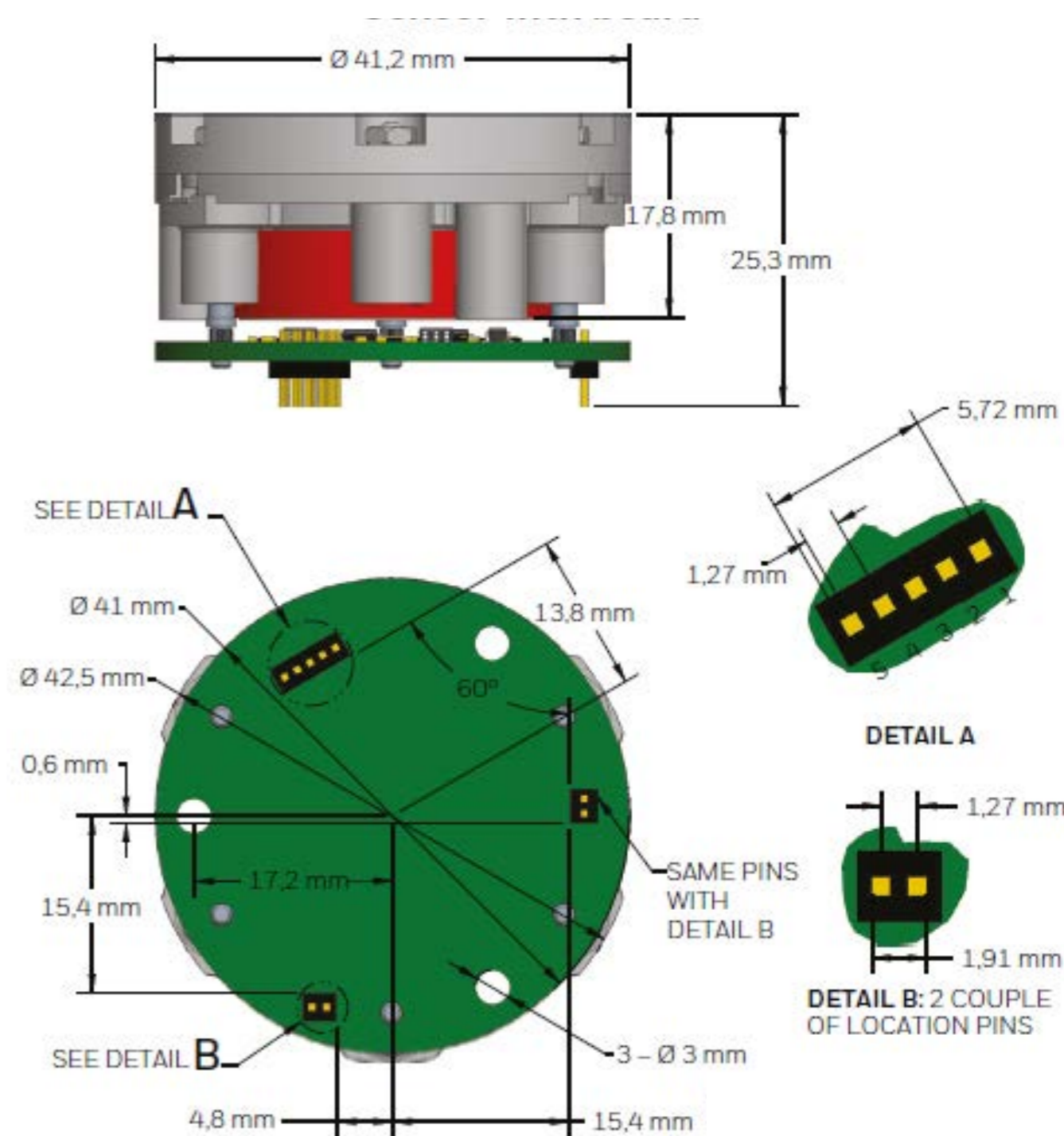
Sensor Without Board



AQ3 Series Air Quality Sensors

AQ3-CO, AQ3-NO2 & AQ3-O3

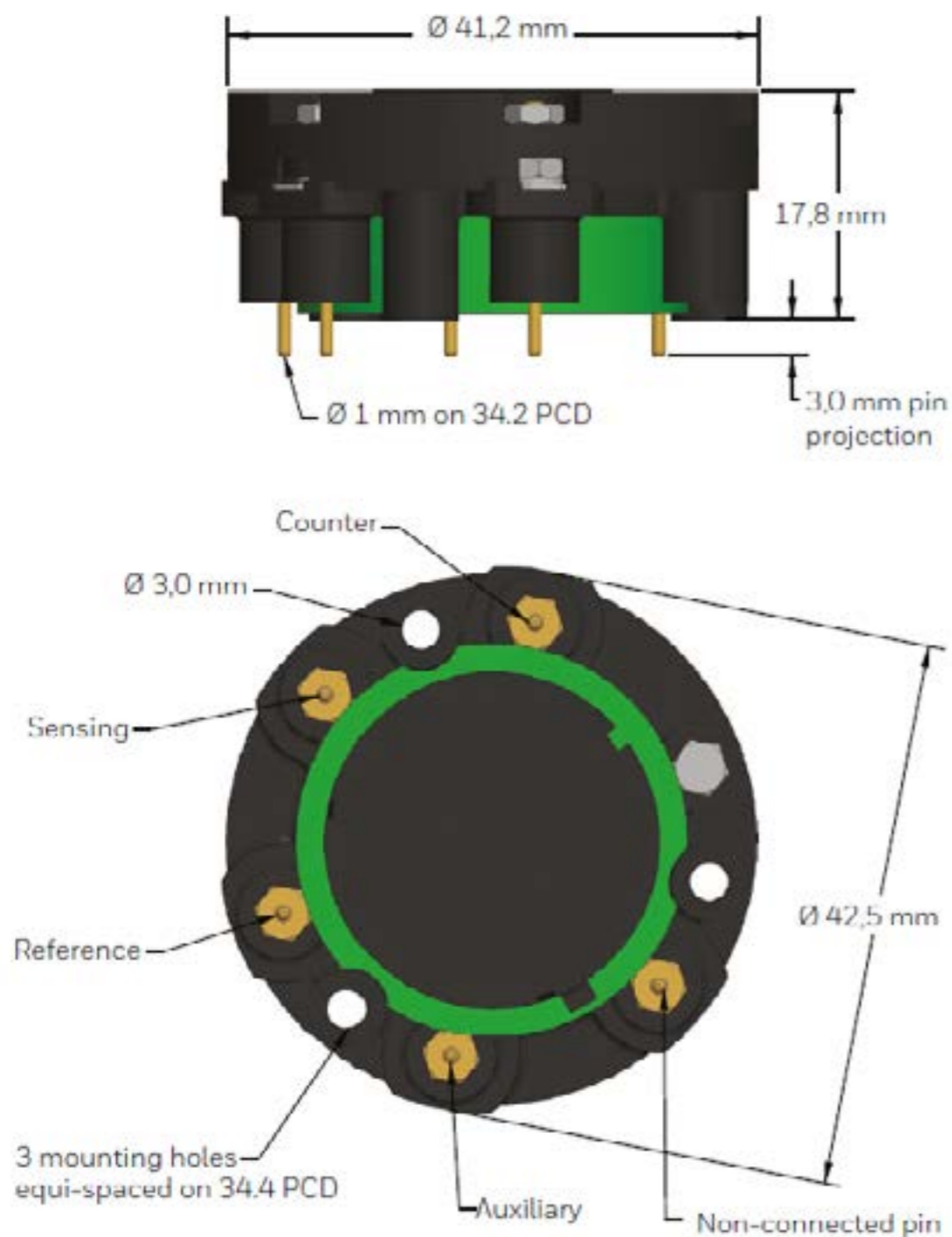
Sensor With Board



AQ3 Series Air Quality Sensors

AQ3-S02

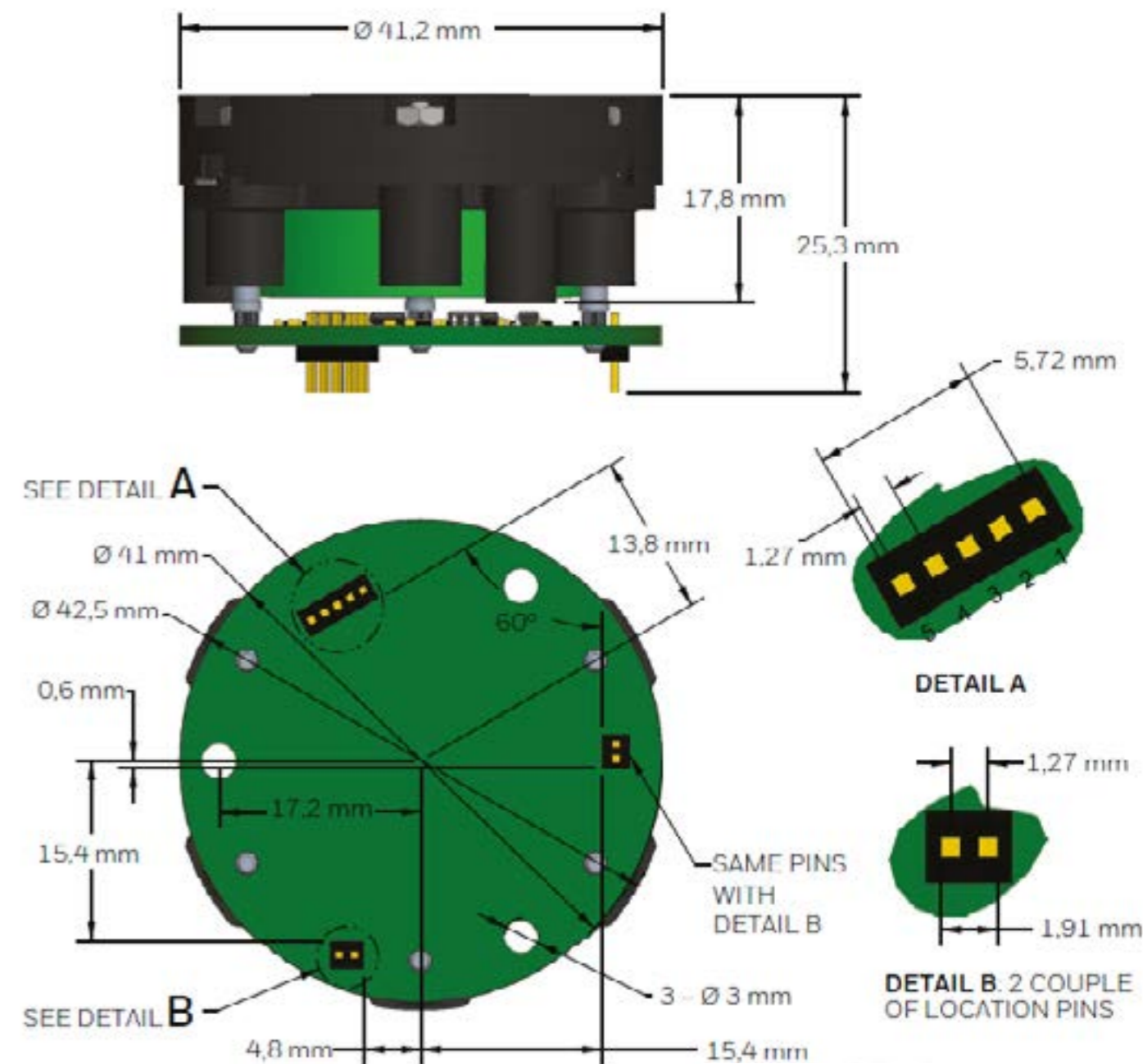
Sensor Without Board



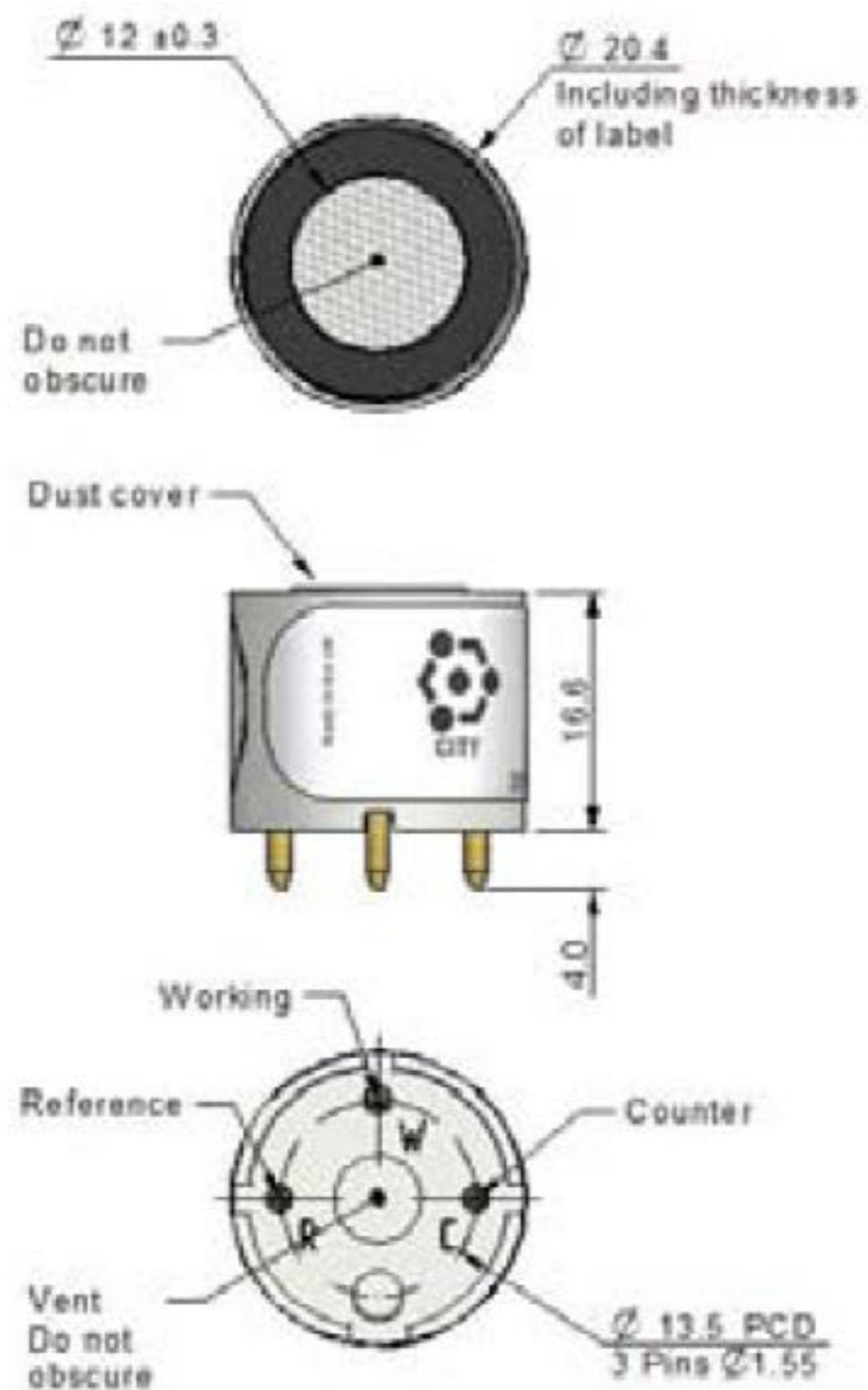
AQ3 Series Air Quality Sensors

AQ3-S02

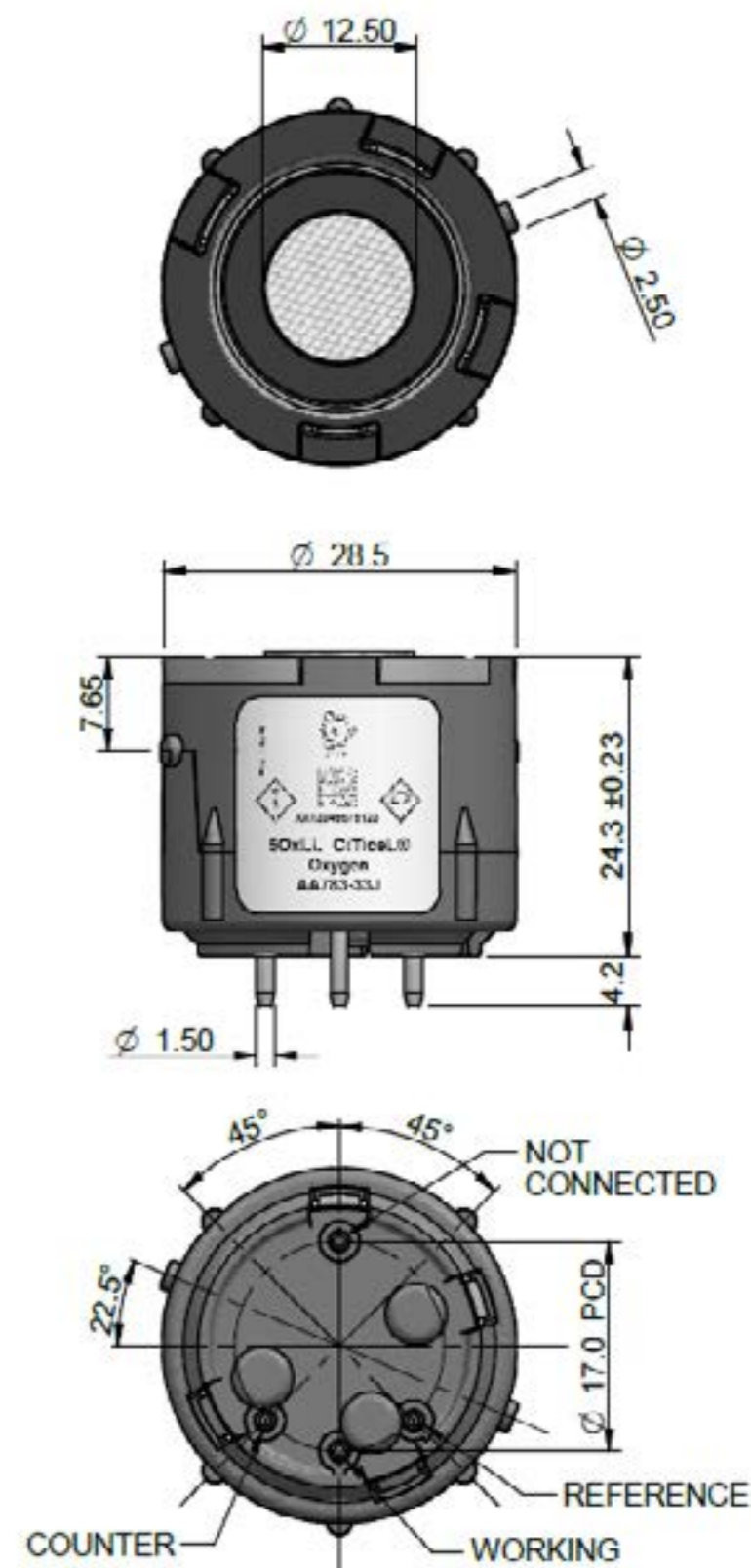
Sensor With Board



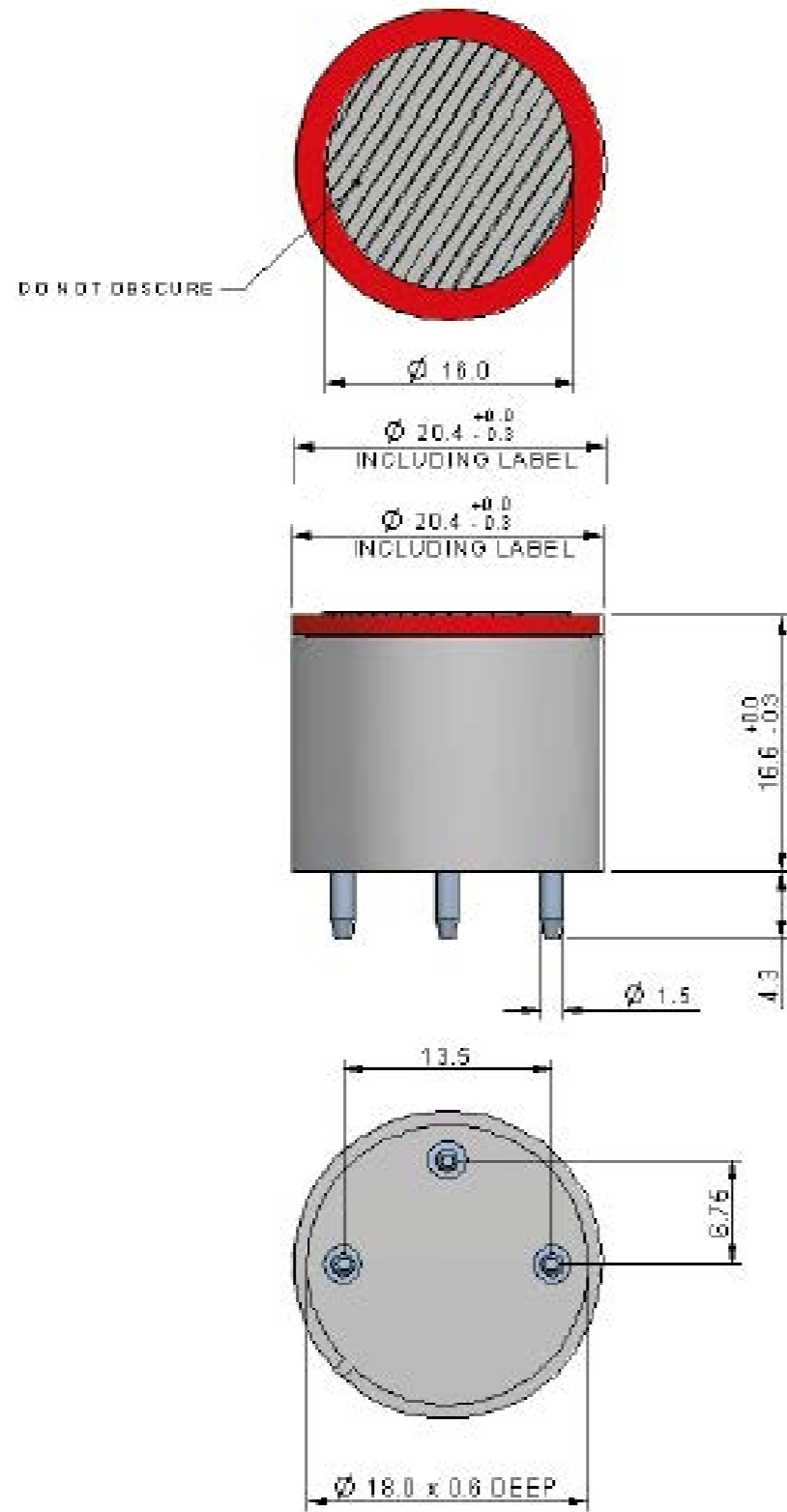
40xLL Lead-Free Oxygen Sensor For Industrial Safety Applications



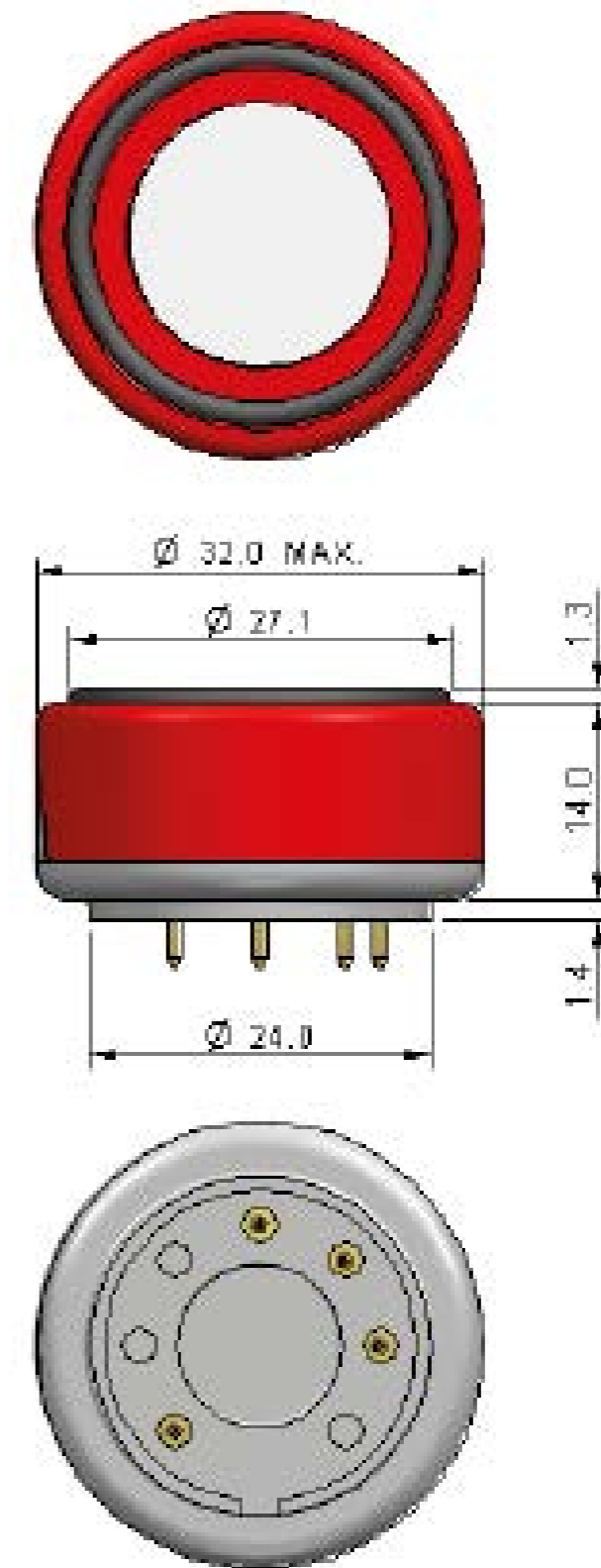
50xLL Lead-Free Oxygen Sensor For Emissions Applications



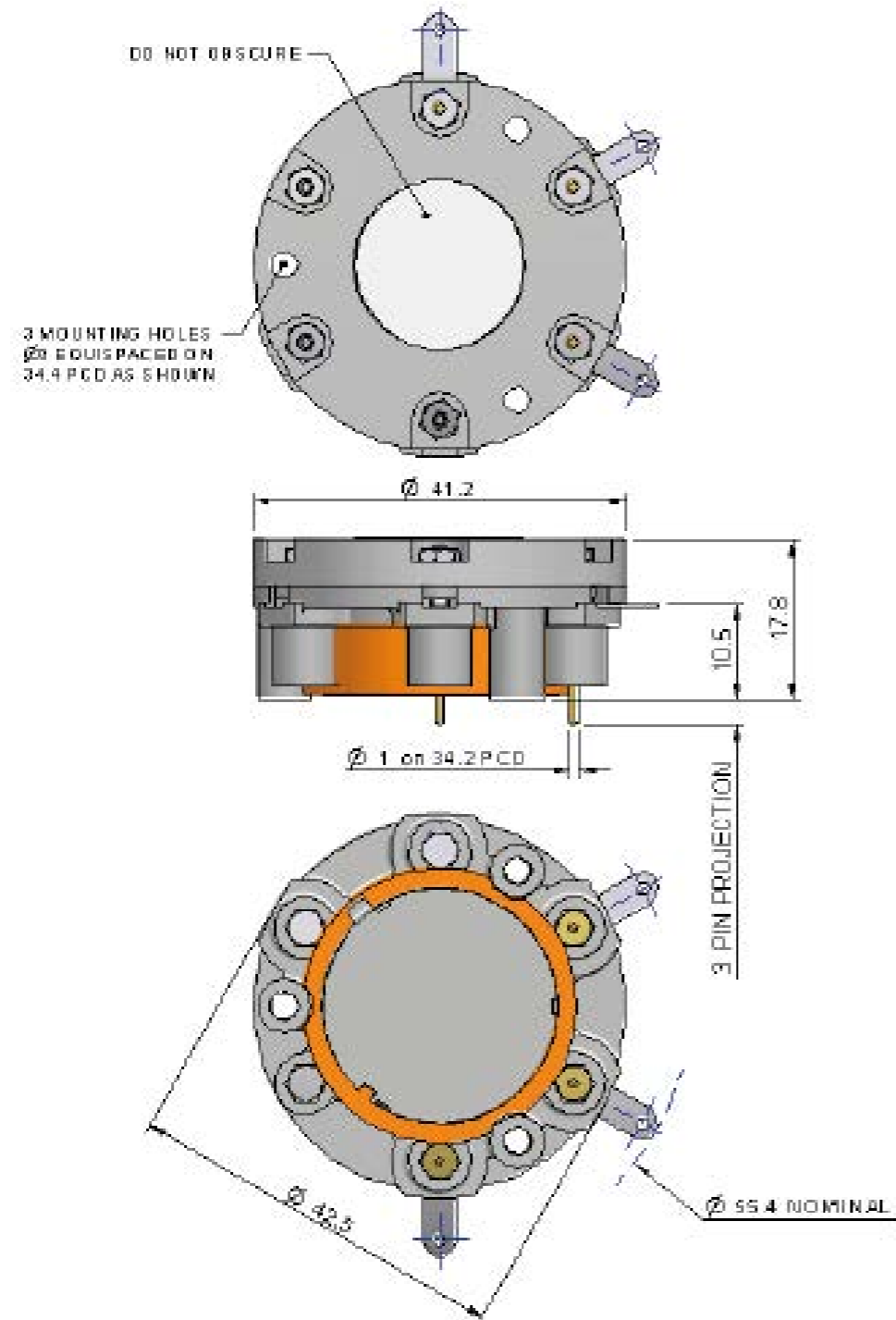
4 Series



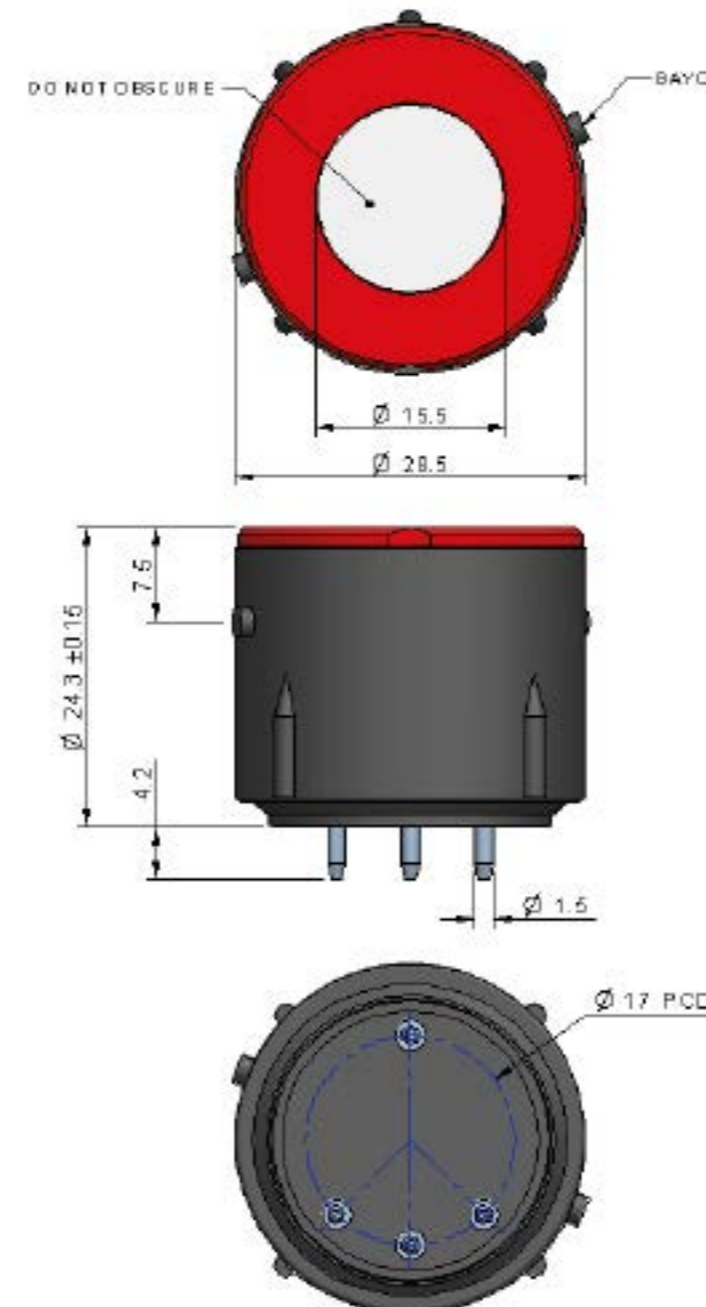
7 Series



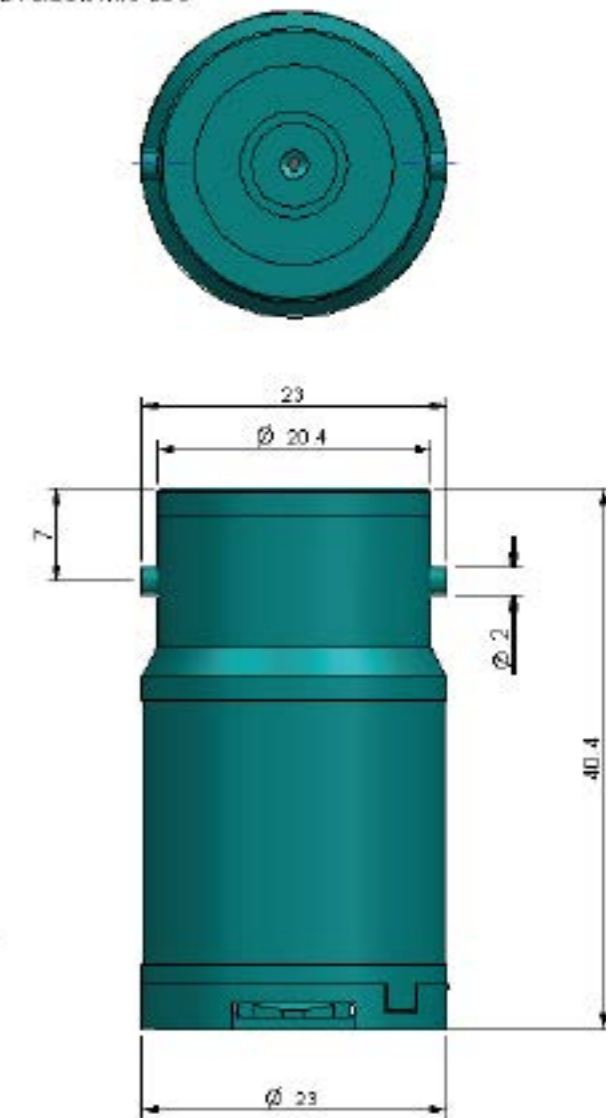
3 Series



5 Series

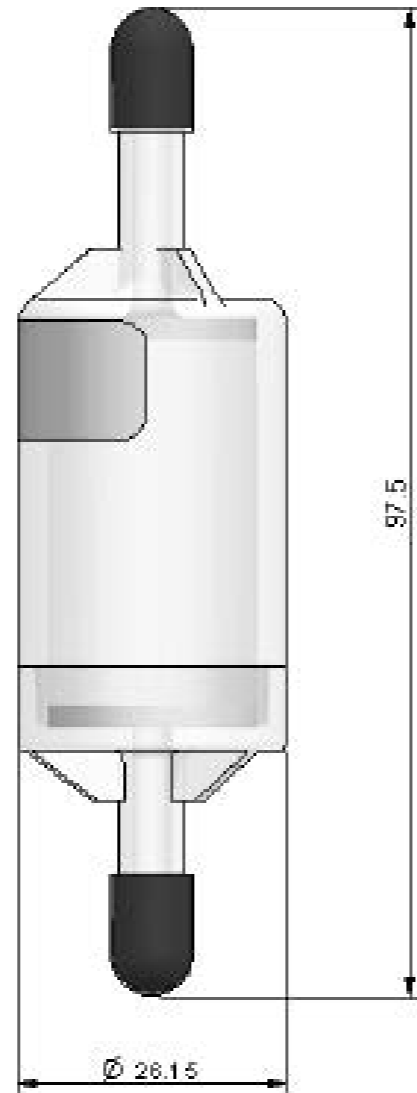
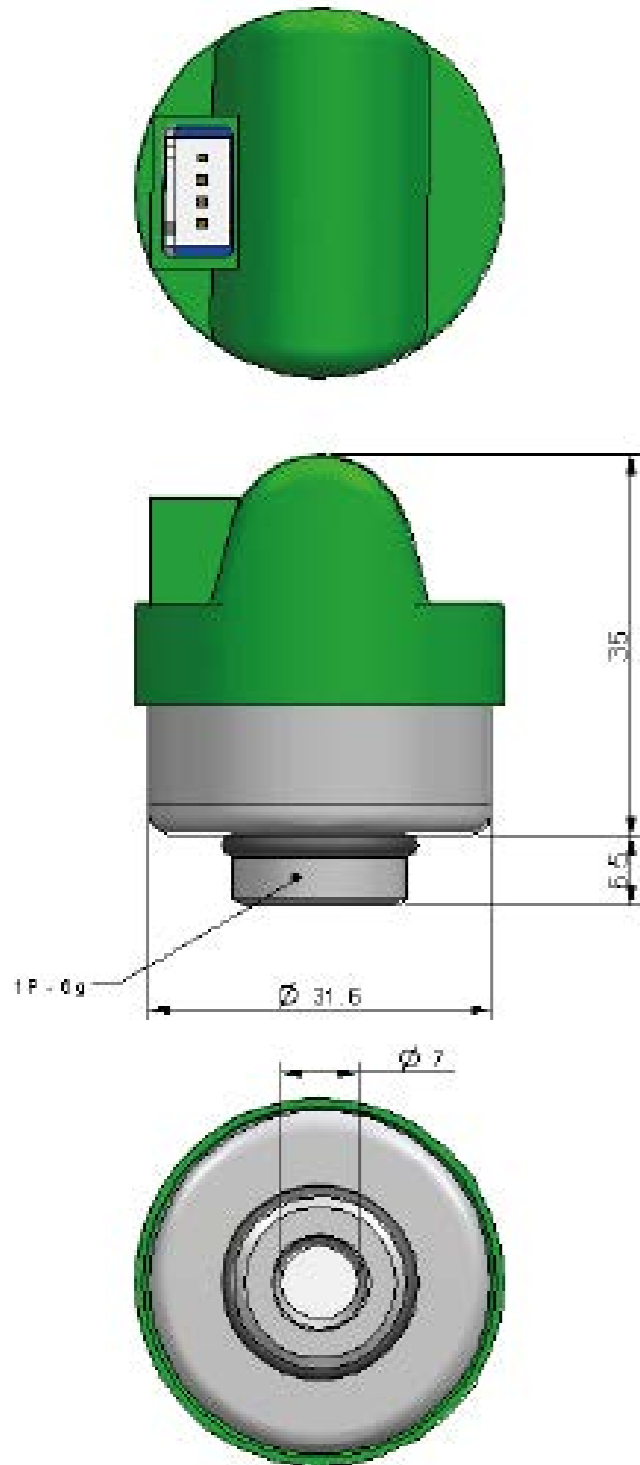


2FO

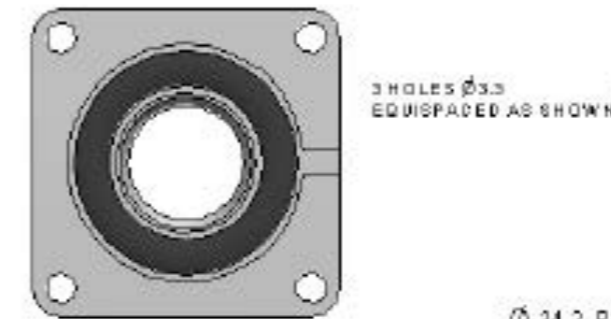
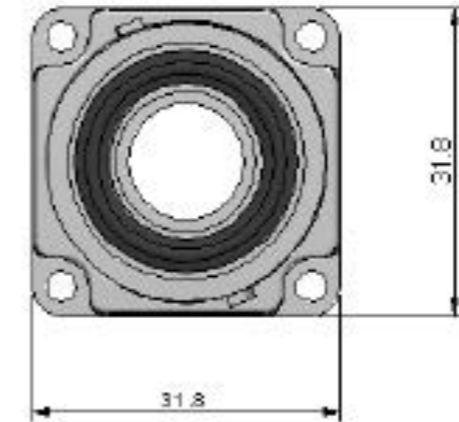


NX1

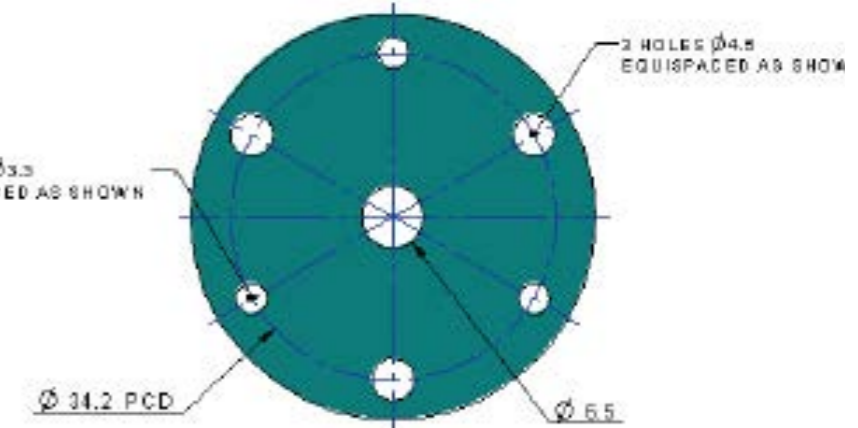
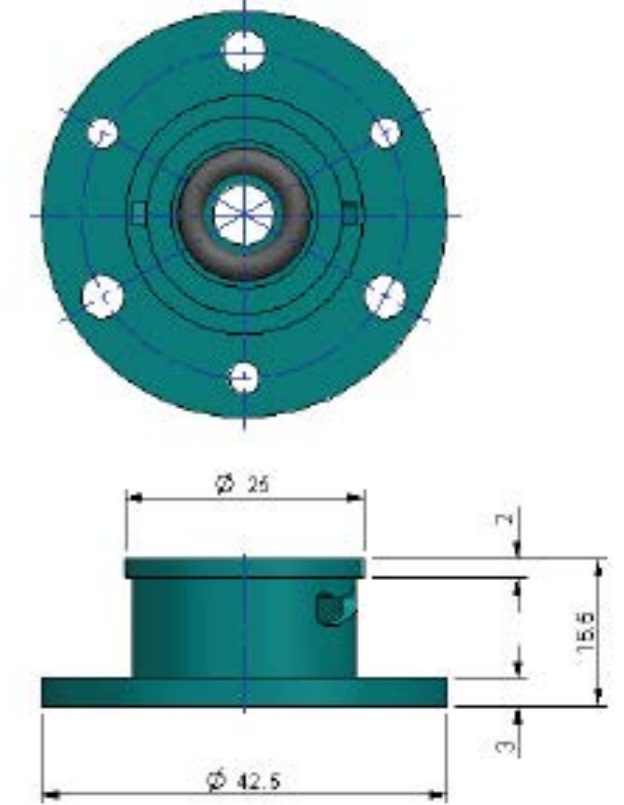
In-Line SOx/NOx Filter



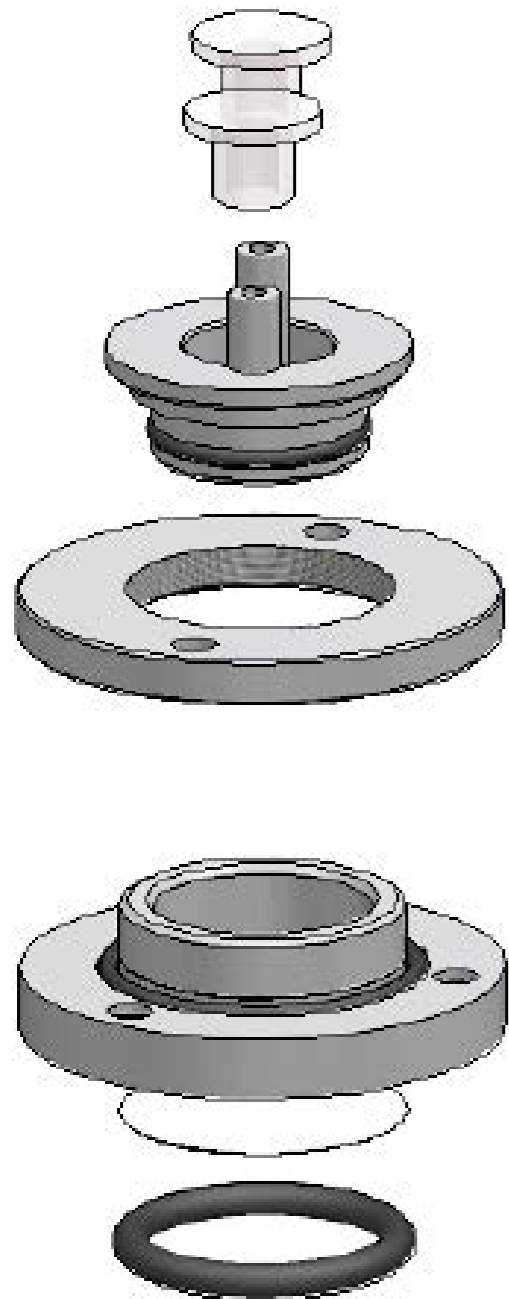
**5 Series
Bayonett Fitting**



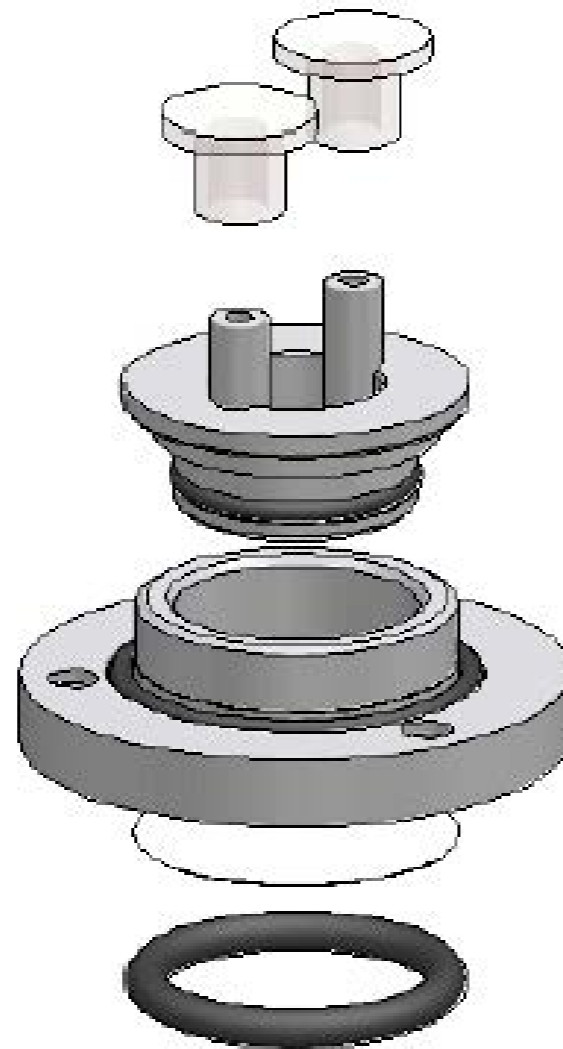
**2F0
Bayonett Fitting**



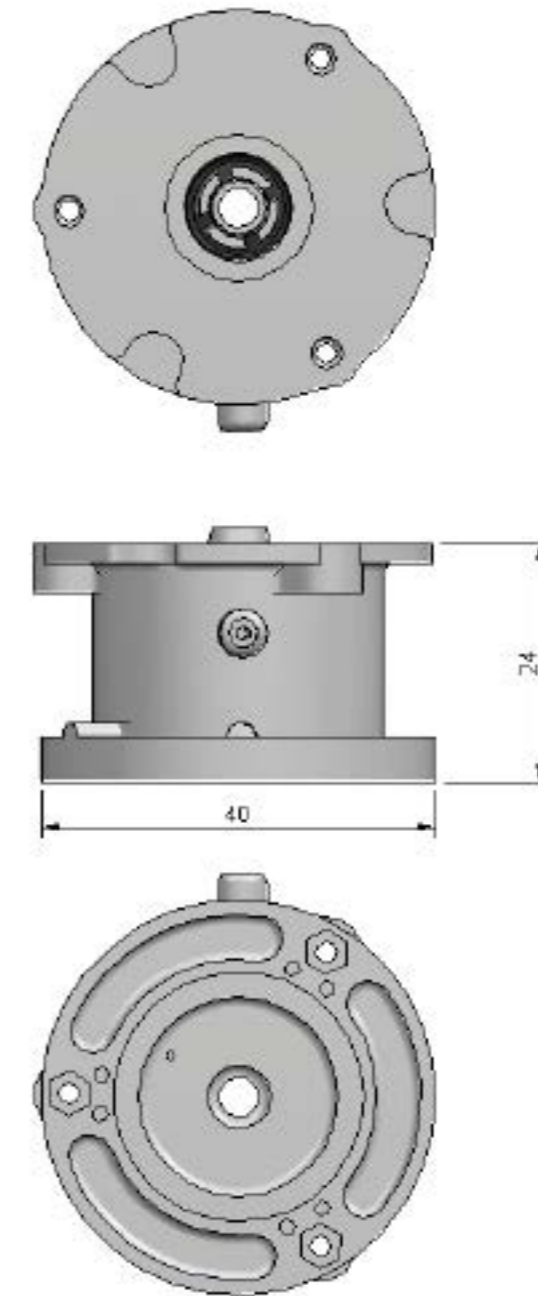
**Mounting Nose for
3 Series Sensors**



**Mounting Collar for
3 Series Sensors**



**Aspiration Fixing for
3 Series Sensors**

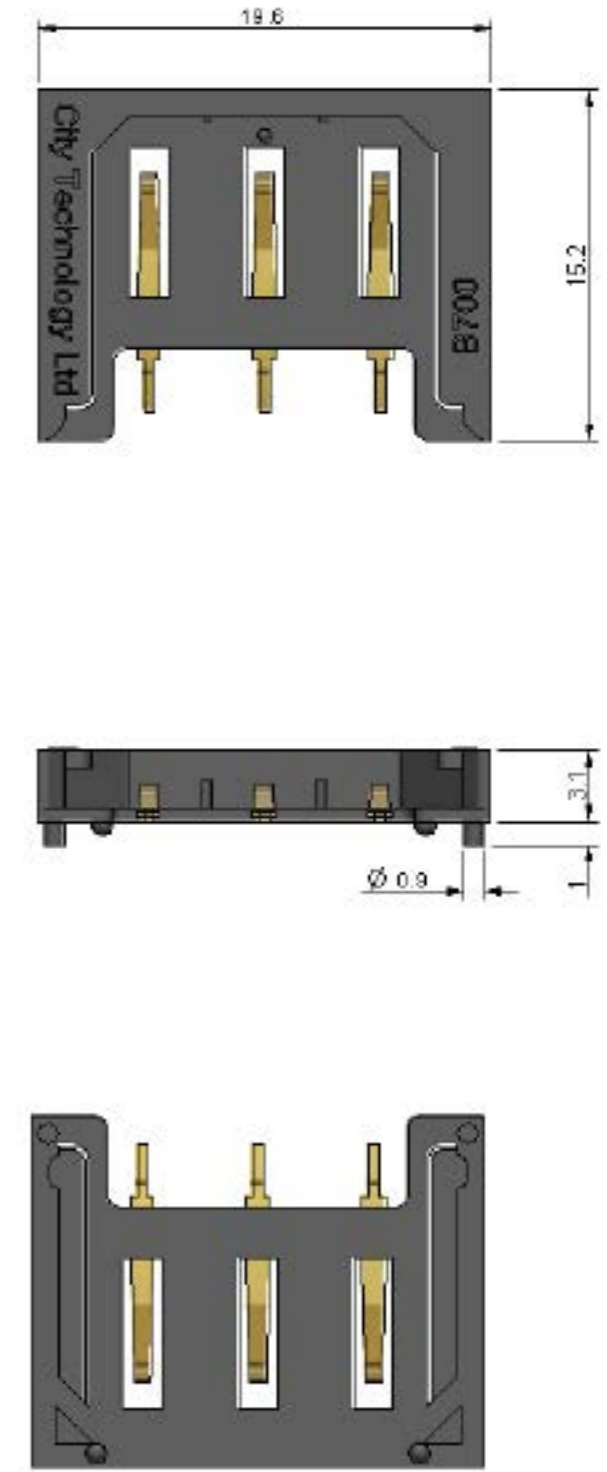
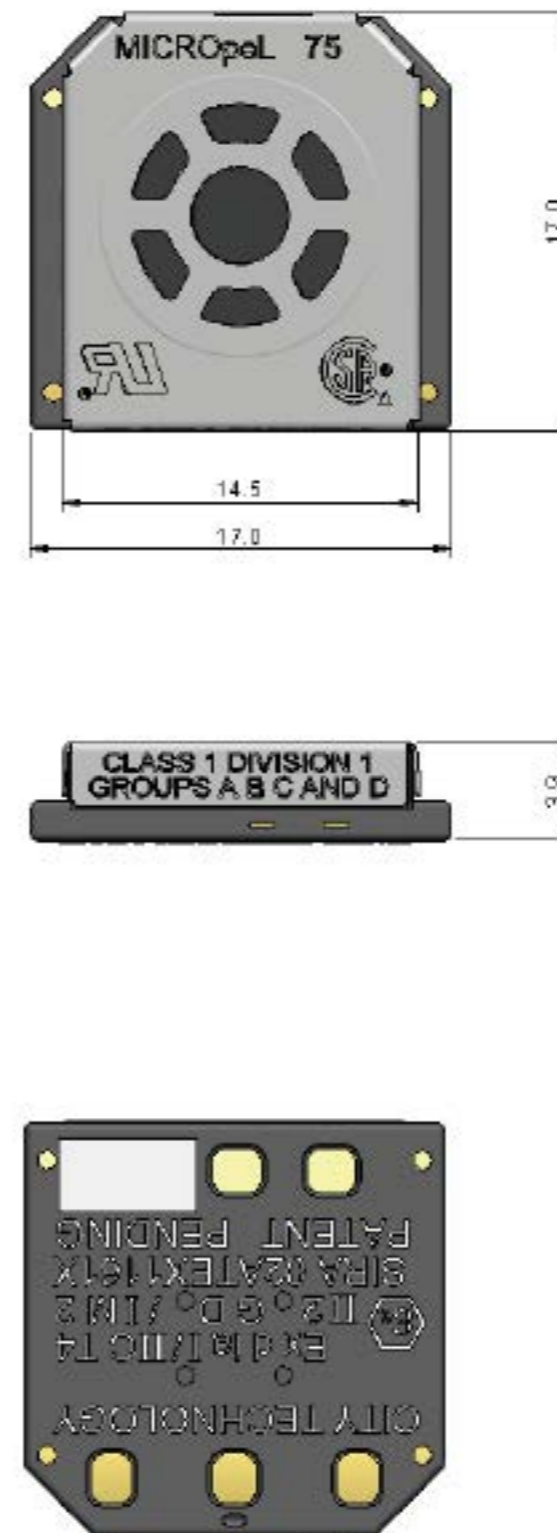
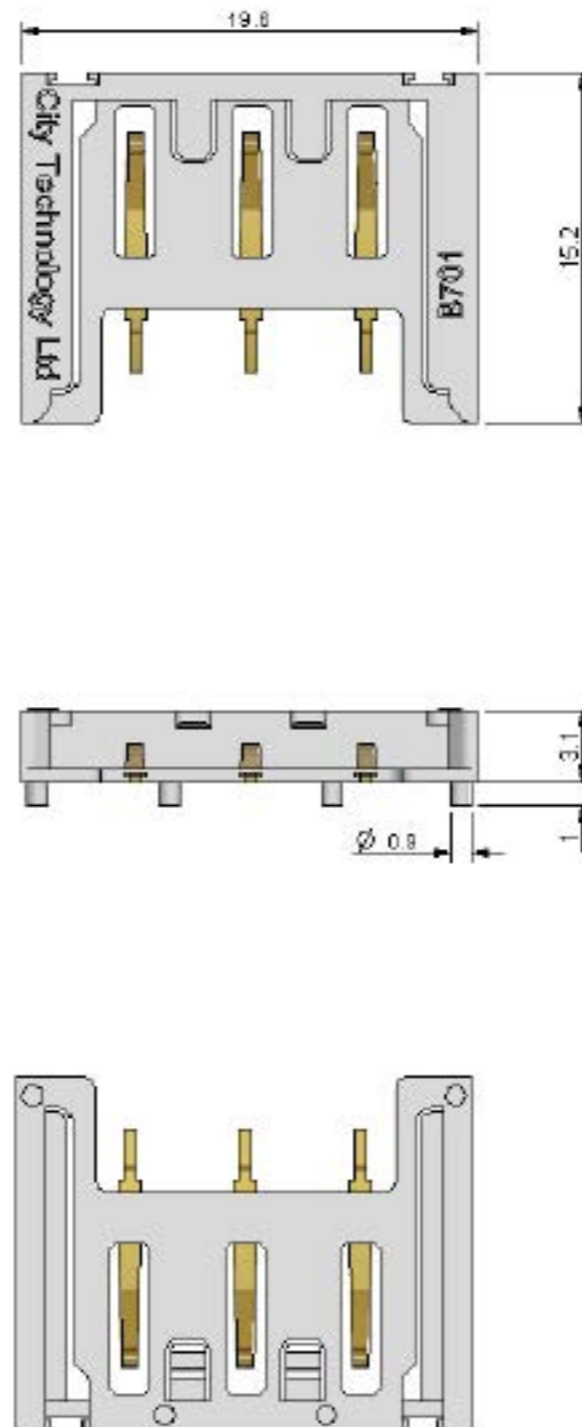
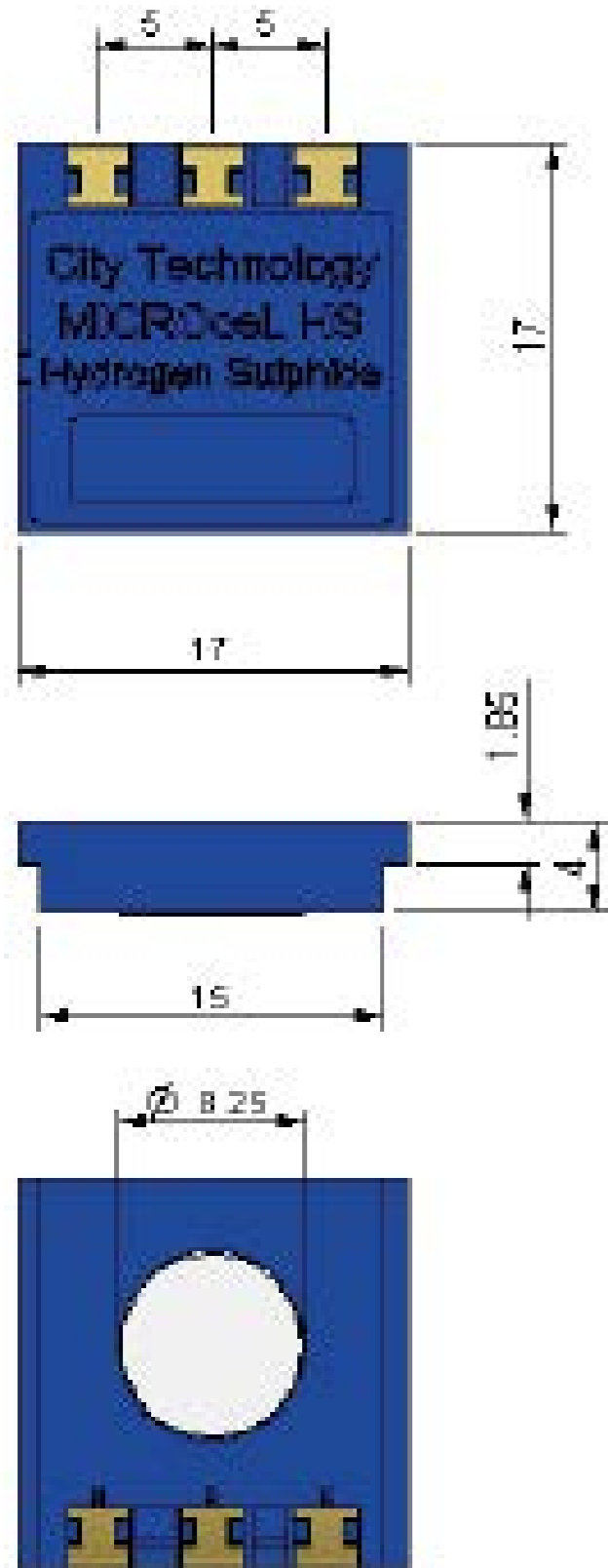


MICROceL Sensor

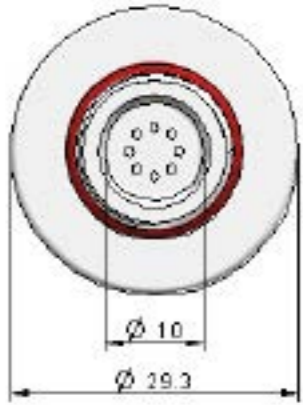
MICROceL Connector

MICROpeL Sensor

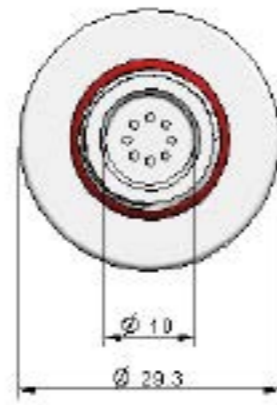
MICROpeL Connector



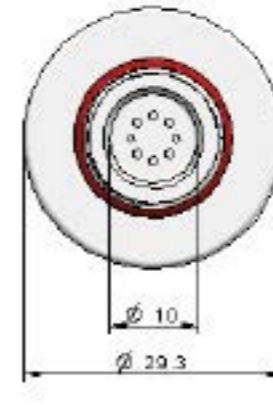
A02, D02, Divecel-3, IN-Q-OX, MOX1 & MOX20



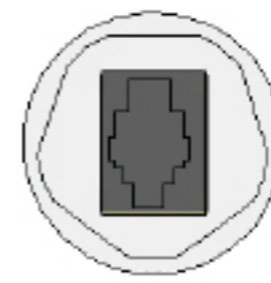
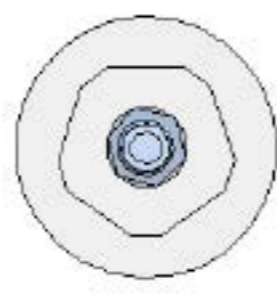
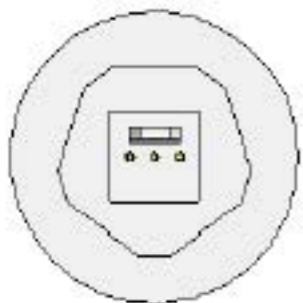
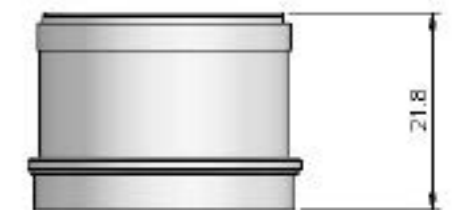
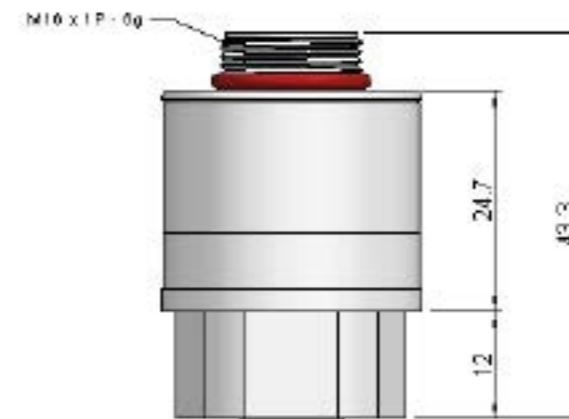
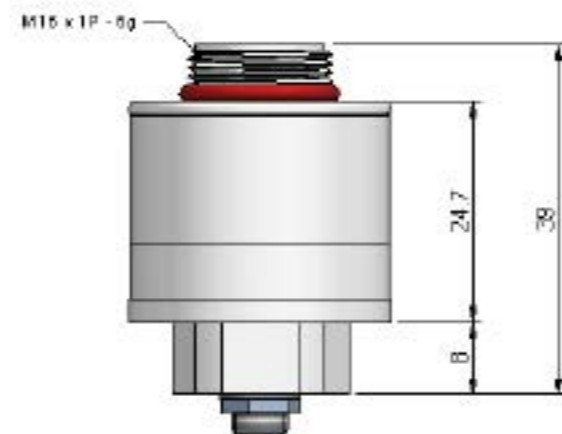
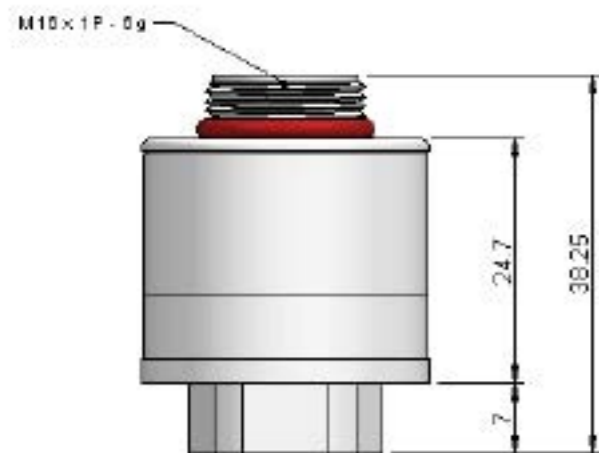
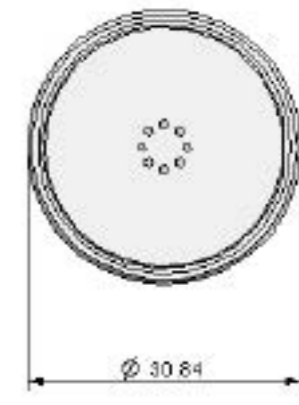
A03 & MOX2



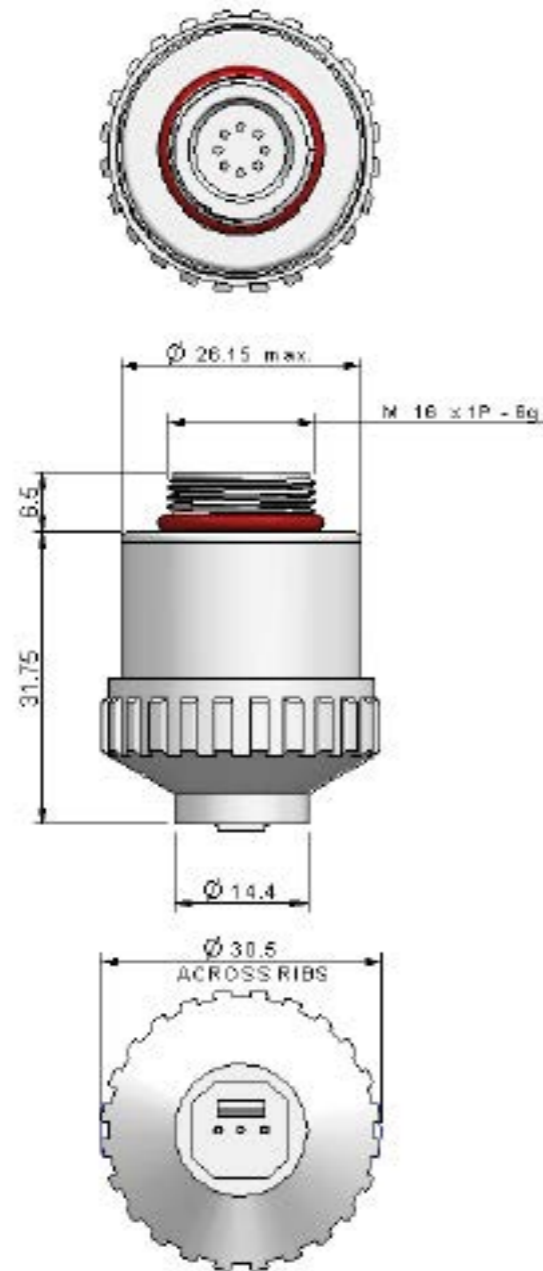
MOX3



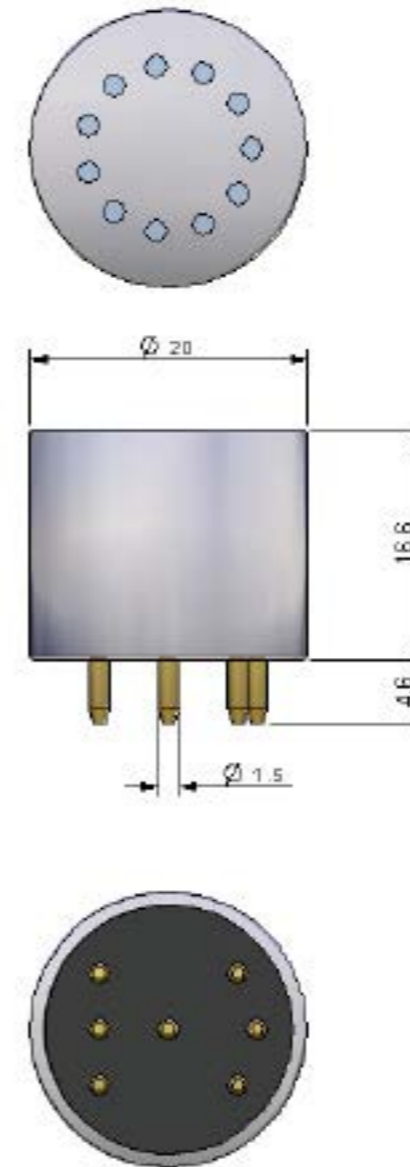
MOX6



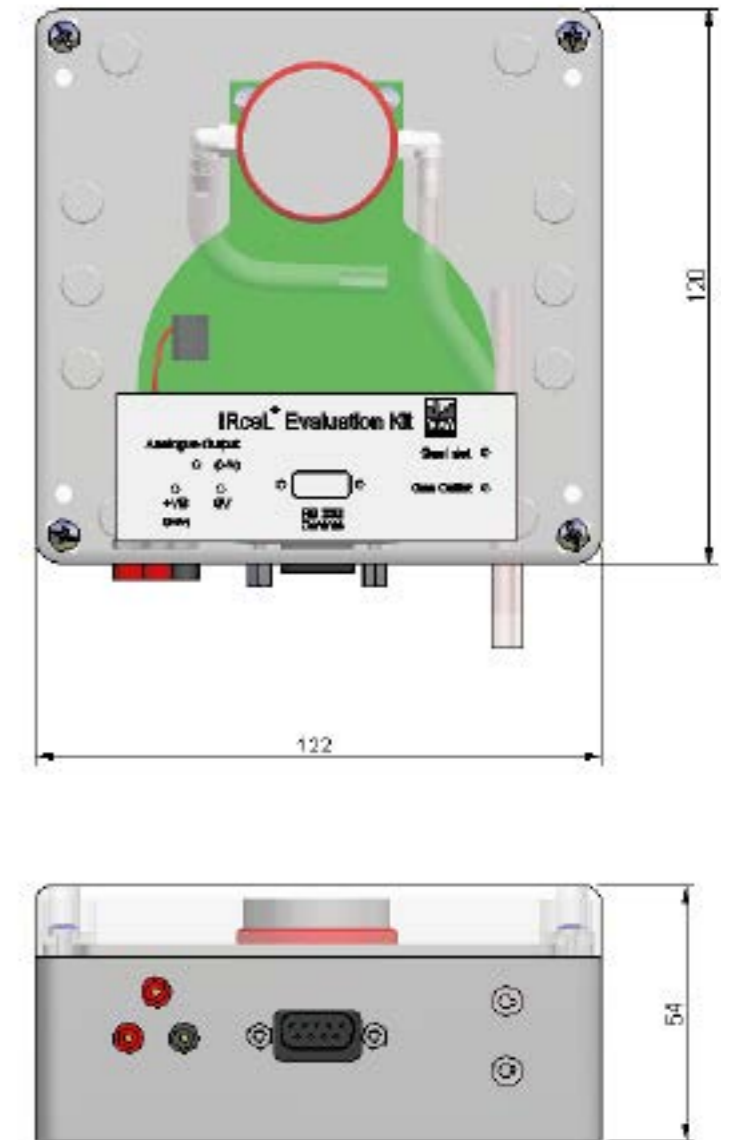
MOX9



IRceL Sensor



IRceL Evaluation Kit



Sensoric

Sensoric

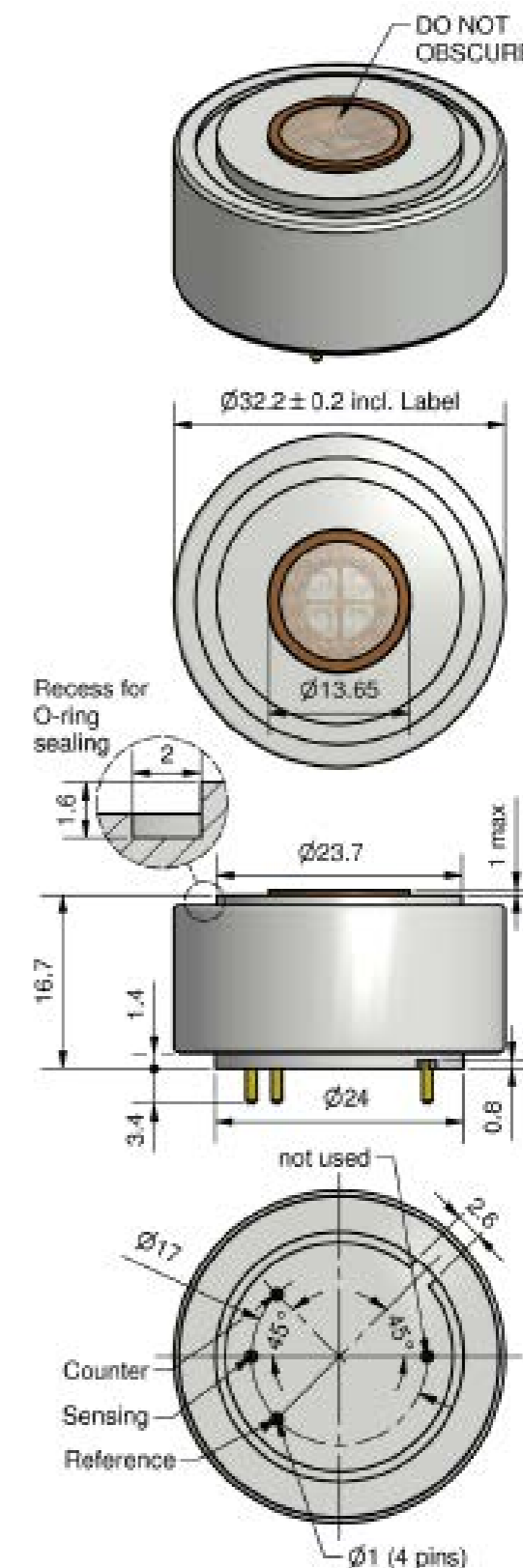
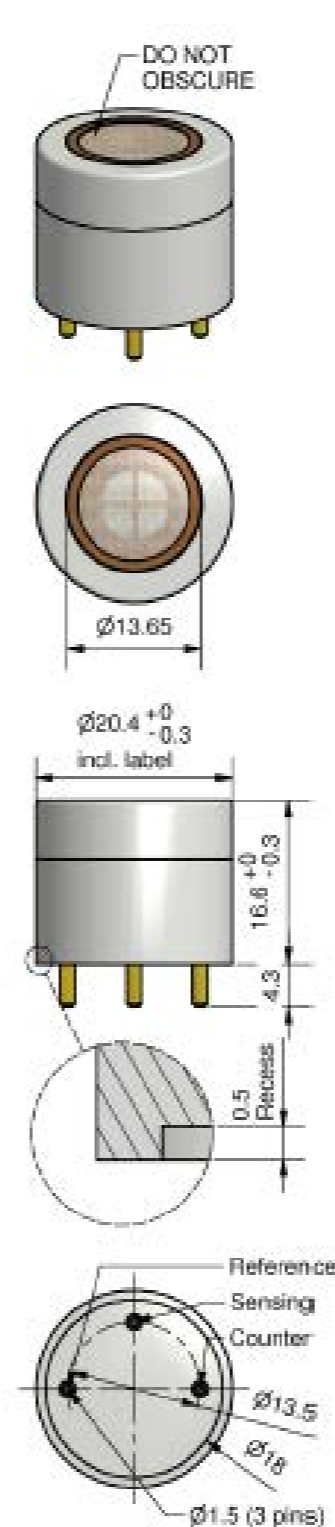
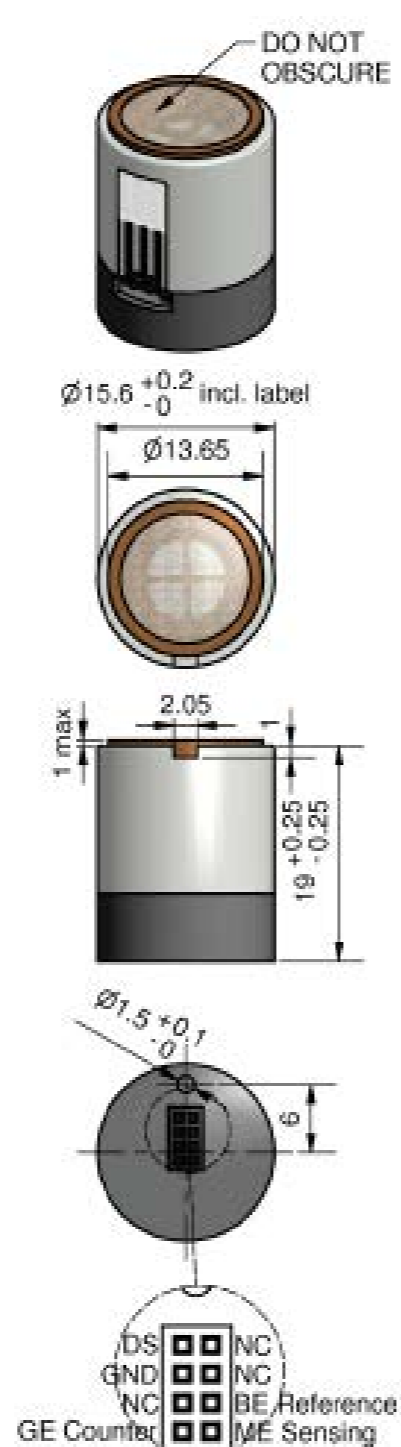
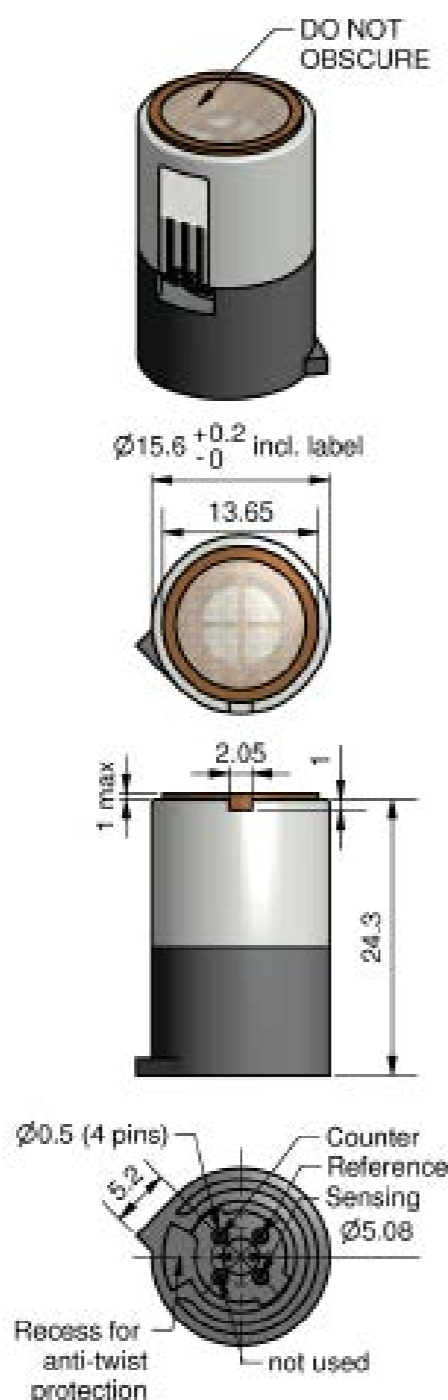
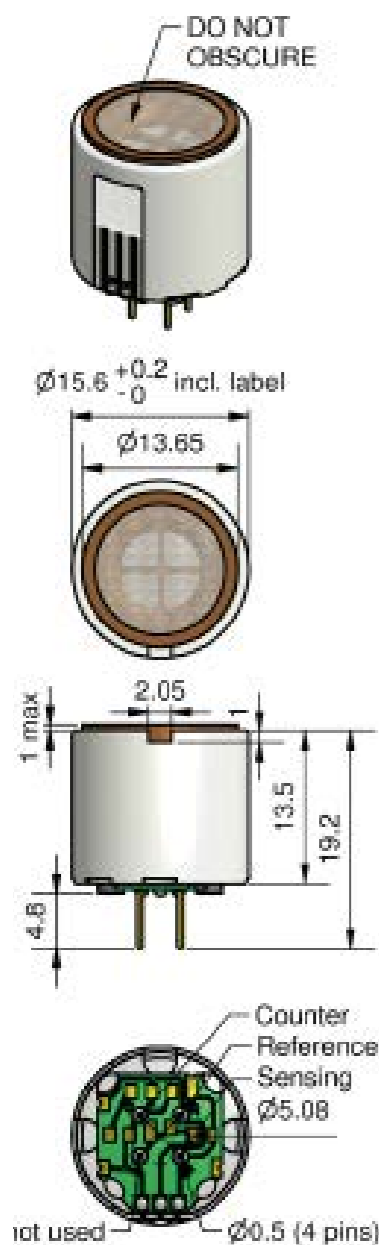
Mini

Classic

Smart

4 CTL Adaptation

7 CTL Adaptation



Solent Gas Consultants Ltd.

+44 (0) 7788 548013
www.solentgasconsultants.com
solentgasconsultants@gmail.com



Solent Gas Consultants
Experts in Gas Detection

Important Information Regarding the Use of Sensors in Safety Critical Applications

To ensure that the sensor and/or instrument in which it is used, are operating properly, it is a requirement that the function of the device is confirmed by exposure to target gas (bump check) before each use of the sensor and/or instrument. Failure to carry out such tests may jeopardize the safety of people and property.

Supplementary information regarding the storage, handling, integration and calibration of sensors can be found at www.citytech.com

Please Note

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract