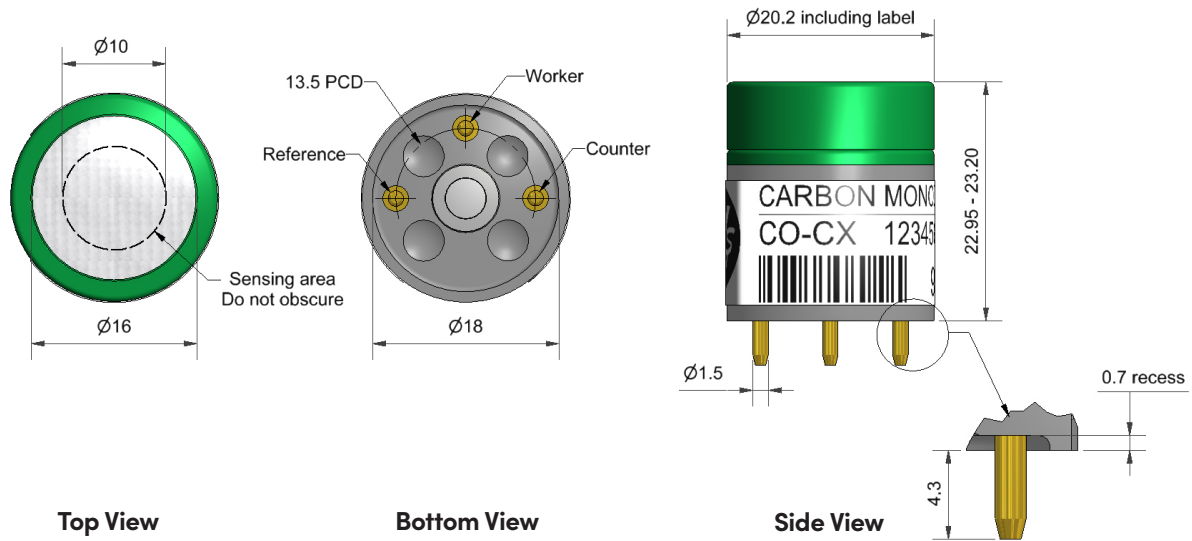


CO-CX Carbon Monoxide Sensor – EN 50379 Compliant for Stack Gases



Dimensions are in millimetres (± 0.1 mm) unless otherwise stated.

Performance	Sensitivity	nA/ppm in 400ppm CO	55 to 100	
	Response time	t90 (s) from zero to 800ppm CO	< 40	
	Zero current (typical)	ppm equivalent in zero air	< ± 3	
	Resolution	RMS noise (ppm equivalent)	< 0.5	
	Range	ppm CO limit of performance warranty	2,000	
	Linearity	ppm error at full scale, linear at zero and 800ppm CO	< ± 40	
	Overgas limit	maximum ppm for stable response to gas pulse	4,000	
Lifetime	Zero drift	ppm equivalent change/year in lab air	< 0.2	
	Sensitivity drift	% change/year in lab air, monthly test	< 6	
	Operating life	months until 80% original signal (24-month warranted)	> 24	
Environmental	Sensitivity @ -20°C	(% output @ -20°C/output @ 20°C) @ 400ppm CO	50 to 85	
	Sensitivity @ 0°C	(% output @ 0°C/output @ 20°C) @ 400ppm CO	80 to 95	
	Sensitivity @ 40°C	(% output @ 40°C/output @ 20°C) @ 400ppm CO	100 to 125	
	Zero @ -20°C	ppm equivalent change from 20°C	< 0 to 4	
	Zero @ 0°C	ppm equivalent change from 20°C	< 0 to 3	
	Zero @ 50°C	ppm equivalent change from 20°C	< 0 to -10	
Cross Sensitivity	Filter capacity	ppm-hrs	H ₂ S	250,000
	Filter capacity	ppm-hrs	NO ₂	500,000
	Filter capacity	ppm-hrs	NO	400,000
	Filter capacity	ppm-hrs	SO ₂	250,000
	H ₂ sensitivity	% measured gas @ 900ppm	H ₂ in 900ppm CO @ 10°C	< 2
	H ₂ sensitivity	% measured gas @ 900ppm	H ₂ in 900ppm CO @ 20°C	< 5
	H ₂ sensitivity	% measured gas @ 900ppm	H ₂ in 900ppm CO @ 30°C	< 6
	H ₂ S sensitivity	% measured gas @ 20ppm	H ₂ S	< 0.1
	NO ₂ sensitivity	% measured gas @ 10ppm	NO ₂	< 0.1
	Cl ₂ sensitivity	% measured gas @ 10ppm	Cl ₂	< 0.1
	NO sensitivity	% measured gas @ 50ppm	NO	< 0.1
	SO ₂ sensitivity	% measured gas @ 20ppm	SO ₂	< 0.1
	C ₂ H ₄ sensitivity	% measured gas @ 400ppm	C ₂ H ₄	< 2
NH ₃ sensitivity	% measured gas @ 20ppm	NH ₃	< 0.1	
Key Specifications	Temperature range	°C	-30 to 50	
	Pressure range	kPa	80 to 120	
	Humidity range	% rh continuous	15 to 90	
	Storage period	months @ 0 to 20°C (stored in sealed pot)	6	
	Load resistor	Ω (recommended)	10 to 47	
	Weight	g	< 8	