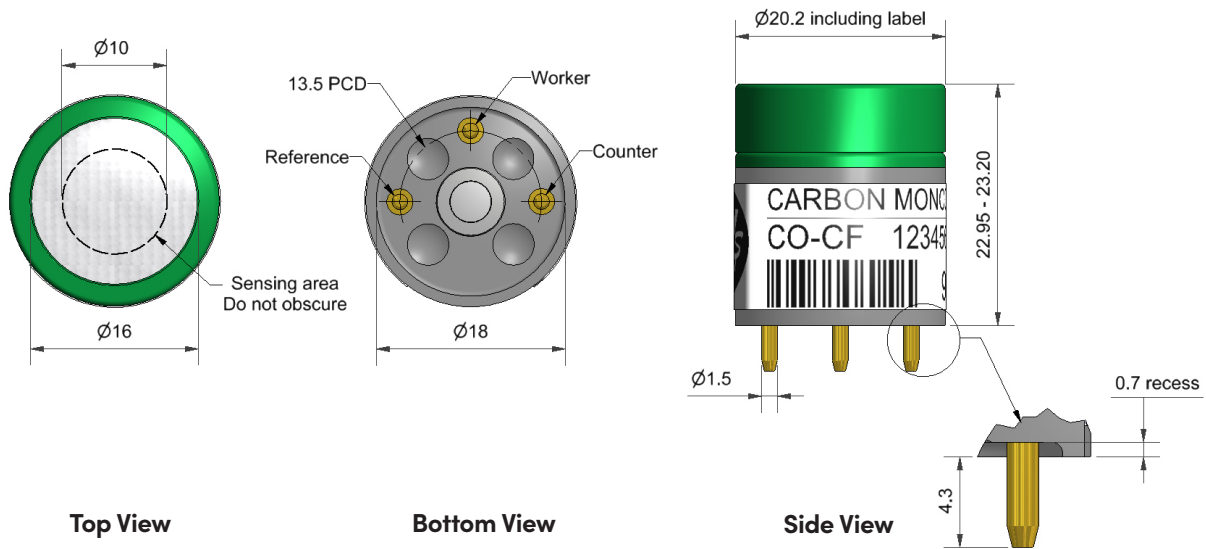


CO-CF Carbon Monoxide Sensor



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 400ppm CO	< 30
	Zero current (typical)	ppm equivalent in zero air	< ± 3
	Resolution	RMS noise (ppm equivalent)	< 0.5
	Range	ppm CO limit of performance warranty	5,000
	Linearity	ppm CO error at full scale, linear at zero, 1000ppm CO	< ± 30
	Overgas limit	maximum ppm for stable response to gas pulse	20,000
	Lifetime	Zero drift	ppm equivalent change/year in lab air
Sensitivity drift		% change/year in lab air, monthly test	< 8
Operating life		months until 80% original signal (24-month warranted)	> 24
Environmental	Sensitivity @ -20°C	% (output @ -20°C/output @ 20°C) @ 400ppm CO	63 to 85
	Sensitivity @ 50°C	% (output @ 50°C/output @ 20°C) @ 400ppm CO	102 to 115
	Zero @ -20°C	ppm equivalent change from 20°C	< ± 3
	Zero @ 50°C	ppm equivalent change from 20°C	< ± 8
Cross Sensitivity	Filter capacity	ppm-hrs	H ₂ S 250,000
	Filter capacity	ppm-hrs	NO ₂ 600,000
	Filter capacity	ppm-hrs	NO 400,000
	Filter capacity	ppm-hrs	SO ₂ 300,000
	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
	H ₂ sensitivity	% measured gas @ 400ppm	H ₂ at 20°C < 45
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 @ 3 to 20°C (stored in sealed pot)	6
	Load resistor	Ω (recommended)	10 to 47
	Weight	g	< 8