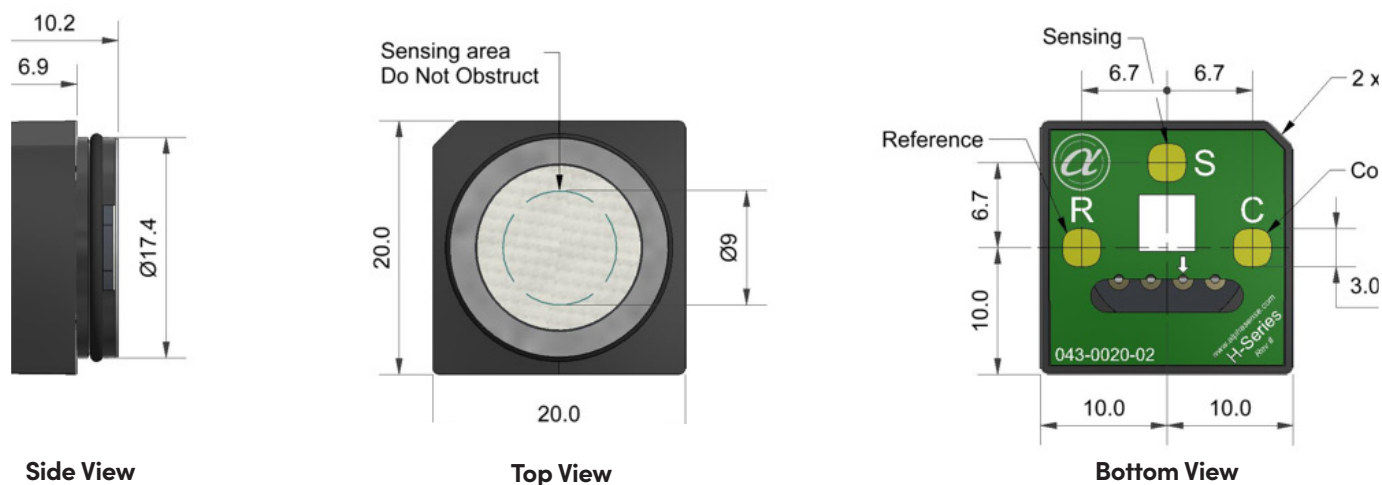


CL2-H4 Chlorine Sensor – Miniature Size



Dimensions are in millimetres (± 0.1 mm).

Performance	Sensitivity	nA/ppm in 10ppm Cl_2	-150 to -350
	Response time	t_{90} (s) from zero to 10ppm Cl_2	< 35
	Zero current	ppm equivalent in zero air	± 0.8
	Resolution	RMS noise (ppm equivalent)	< 0.1
	Range	ppm Cl_2 limit of performance warranty	20
	Linearity	ppm error at full scale, linear at zero and 10ppm Cl_2	± 0.5
	Overgas limit	maximum ppm for stable response to gas pulse	60

Lifetime	Zero drift	ppm equivalent change/year in lab air	nd
	Sensitivity drift	% change/month in lab air, twice monthly test	nd
	Operating life	months until 80% original signal (24-month warranted)	> 18

Environmental	Sensitivity @ -20°C	% (output @ -20°C/output @ 20°C) @ 10ppm Cl_2	80 to 110
	Sensitivity @ 50°C	% (output @ 50°C/output @ 20°C) @ 10ppm Cl_2	95 to 125
	Zero @ -20°C	ppm equivalent change from 20°C	-0.4 to 0.4
	Zero @ 50°C	ppm equivalent change from 20°C	0 to 0.5

Cross Sensitivity	H_2S sensitivity	% measured gas @ 20ppm	H_2S	< -200
	NO_2 sensitivity	% measured gas @ 10ppm	NO_2	< 120
	NO sensitivity	% measured gas @ 50ppm	NO	< 0.5
	SO_2 sensitivity	% measured gas @ 20ppm	SO_2	< -3
	CO sensitivity	% measured gas @ 400ppm	CO	< 0.1
	H_2 sensitivity	% measured gas @ 400ppm	H_2	< 0.1
	C_2H_4 sensitivity	% measured gas @ 400ppm	C_2H_4	< 0.1
	NH_3 sensitivity	% measured gas @ 20ppm	NH_3	< 0.1

Key Specifications	Temperature range	°C	-20 to 50
	Pressure range	kPa	80 to 120
	Humidity range	% rh (see note below)	15 to 90
	Storage period	months @ 3 to 20°C (stored in sealed pot)	6
	Load resistor	Ω (for optimum performance)	33
	Weight	g	< 2