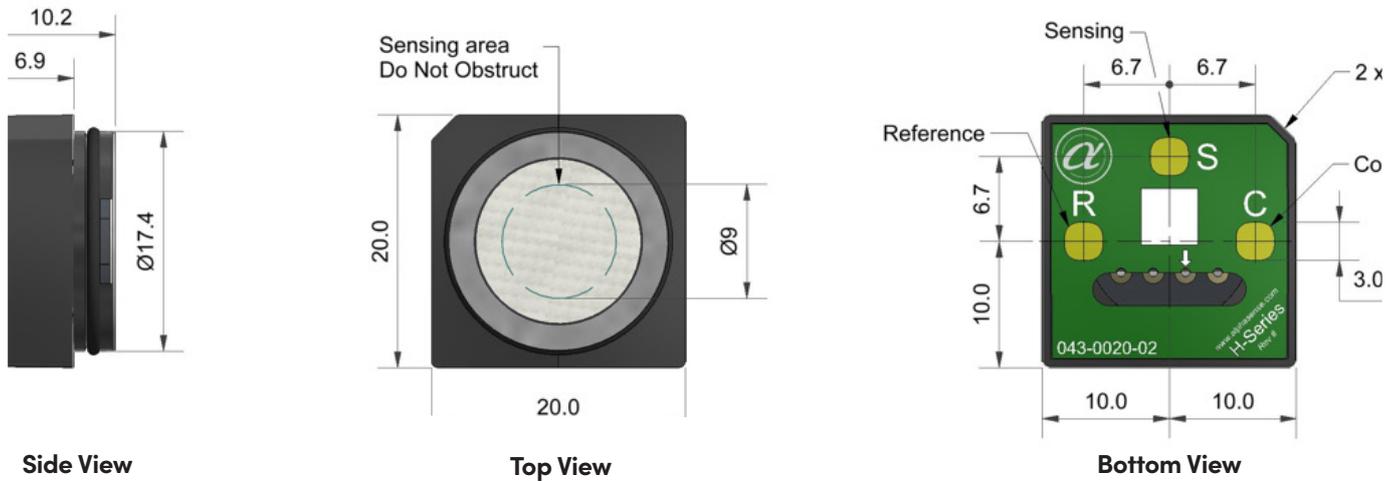


CL2-H4 Chlorine Sensor – Miniature Size



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 ₂ S sensitivity	% measured gas @ 20ppm	H ₂ S		< -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 ₂ H ₄ sensitivity	% measured gas @ 400ppm	C ₂ H 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