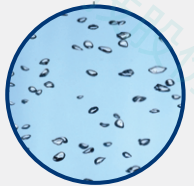


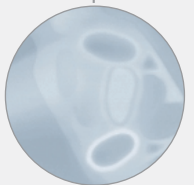
The GasCheck infrared gas sensor range offers high performance detection and measurement of CO₂ at low cost, with a choice of pumped or diffusion aspiration technology to provide accurate and reliable determination of CO₂ gas concentrations.

The GasCheck family includes instruments to measure CO₂ in the ranges 0-3000ppm, 0-3% and 0-10% by volume. Other features include the option of indicating CO₂ concentration using linear (4-20mA) or non-linear (0-1V) signal output.

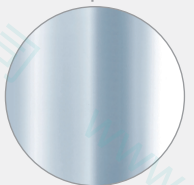
Originally developed for measuring CO₂ concentrations in laboratory incubators, the GasCheck range has now also been adopted for a wide range of applications where accurate measurement of CO₂ is required, but with the benefits of low cost and compact design.



GAS SENSORS



ANALYTICAL INSTRUMENTS



LASERS AND ELECTRO-OPTICS

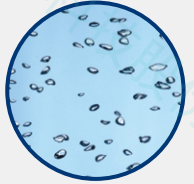


QUANTUM DIVISION





MODEL	Gas	Accuracy*	Stability	Repeatability @ zero	Repeatability @ span
GasCheck 3000ppm diffusion	CO ₂	+/-3% of range	+/- 5% of range over 12 months	+/- 0.5%	+/- 1.5%
GasCheck 3000ppm pumped	CO ₂	+/-3% of range	+/- 5% of range over 12 months	+/- 0.5%	+/- 1.5%
GasCheck 3% diffusion	CO ₂	+/-3% of range	+/- 5% of range over 12 months	+/- 0.5%	+/- 1.5%
GasCheck 3% pumped	CO ₂	+/-3% of range	+/- 5% of range over 12 months	+/- 0.5%	+/- 1.5%
GasCheck 10% diffusion	CO ₂	+/-3% of range	+/- 5% of range over 12 months	+/- 0.5%	+/- 1.5%
GasCheck 10% pumped	CO ₂	+/-3% of range	+/- 5% of range over 12 months	+/- 0.5%	+/- 1.5%
RESPONSE TIME:	T ₉₀ = 30 seconds (pumped versions), T ₉₀ = 260 seconds (diffusion versions)				
OPERATING TEMPERATURE:	0-4°C				
WARM-UP TIME:	5 minutes (initial), 30 minutes (full specification)				
HUMIDITY:	Measurements are unaffected by 0-99% relative humidity, non-condensing				
POWER REQUIREMENTS:	15V DC (24V DC for linearised versions)				
POWER CONSUMPTION:	0.9 W				
OUTPUT SIGNAL:	0-1V (non-linear), 4-20mA (linear version)				
	Fault or calibration warning indicator (self-referencing versions only)				
	(*stated accuracy includes calibration gas tolerance of +/- 1%)				



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