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Product Comparison: GfG G450 and G460 vs. G888 and G999 Multi-Sensor Gas Detectors

					
	GfG G450	GfG G460	GfG G888	GfG G999	
Size	75 X 110 X 55 mm	75 X 110 X 55 mm	68 X 100 X 39 mm	68 X 136 X 39	
Weight (depending on configuration)	280 g	280 g	250 – 275 g	350 - 395 g	
Standard Warranty: Instrument	Lifetime*	Lifetime*	Lifetime*	Lifetime*	
Buttons	3	3	3	3	
Number of gases measured	1 - 4	1 – 6	1 – 7	1 – 7	
Sensor warranty and expected life					
	CC LEL	3-year (5 year expected)	3-year (5 year expected)	3-year (5 year expected)	3-year (5 year expected)
	O ₂	3-year (fuel cell)	5-year (lead free)	5-year (lead free)	5-year (lead free)
	CO	3-year (5 year expected)	3-year (5 year expected)	3-year (5 year expected)	3-year (5 year expected)
	H ₂ S	3-year (5 year expected)	3-year (5 year expected)	3-year (5 year expected)	3-year (5 year expected)
	IR LEL / IR CO ₂	NA	3-year (5 year expected)	3-year (5 year expected)	3-year (5 year expected)

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	GfG G450	GfG G460	GfG G888	GfG G999
IP Rating	IP67	IP67	IP67	IP67
Housing	Polycarbonate w/ protective over-mold	Polycarbonate w/ protective over-mold	Polycarbonate w/ protective over-mold	Polycarbonate w/ protective over-mold
Display				
Top-mounted display	Yes	Yes	Yes	Yes
Display Size	Large	Large	Large	Large
Built-in zoom function for readings	Yes	Yes	Yes	Yes
Display changes color to indicate alarm	Yes	Yes	Yes	Yes
Battery and charging options				
Rechargeable battery technology	Nickel Metal Hydride (NiMH)	Nickel Metal Hydride (NiMH)	Nickel Metal Hydride (NiMH)	Nickel Metal Hydride (NiMH)
Alkaline battery option	Yes	Yes	No	No
Interchangeable battery packs	Yes: Alkaline and NiMH	Yes: Alkaline and NiMH	No	No
Internal battery pack	No	No	Yes	Yes
Charging time	6 hrs. (from completely depleted)	6 hrs. (from completely depleted)	6 hrs. (from completely depleted)	8 hrs. (from completely depleted)
Charging cradle (110 – 240 VAC)	Standard with NiMH	Standard with NiMH	Optional	Standard
USB charging via calibration cap	No	No	Yes	No
Run time (for typical sensor configurations)				
CC LEL / 3-yr O ₂ / CO / H ₂ S	20 hours	20 hours	23 hours	47 hours
CC LEL / 5-yr O ₂ / CO / H ₂ S	NA	20 hours	23 hours	47 hours
IR LEL / 5-yr O ₂ / CO / H ₂ S / H ₂	NA	24 hours	23 hours	47 hours
IR LEL / IR CO ₂ / 5-yr O ₂ / COSH / H ₂	NA	20 hours	23 hours	47 hours
IR LEL / IR CO ₂ / 5-yr O ₂ / PID / COSH / H ₂	NA	9 hours	NA	24-hour

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	GfG G450	GfG G460	GfG G888	GfG G999
Built-in flashlight LED	Yes: Optional	Yes: Optional	Yes: Standard	Yes: Standard
Docking Station	Yes	Yes	Yes	Yes
Alarms				
Audible alarm	103 dB @ 30 cm	103 dB @ 30 cm	103 dB @ 30 cm	103 dB @ 30 cm
Vibrating alarm	Yes	Yes	Yes	Yes
Red / green Bump / Cal status LED	No	No	Yes	Yes
Data-logging				
On-board data storage	1800 intervals	1800 intervals	30,000 intervals	30,000 intervals
Motorized remote sampling pump				
Optional internal motorized pump	No	No	No	Yes
Optional attachable self-powered pump	Yes	Yes	No	No
Operable in diffusion w pump attached	Yes	Yes	NA	Yes
Pump draw	100 m	100 m	NA	100 m
Real-time wireless communication				
Wireless communication method	NA	NA	License free 915 MHz ISM RF	License free 915 MHz ISM RF
Wireless communication distance	NA	NA	300 m	300 m

* Lifetime warranty on instrument, electronics and non-consumed components. Batteries and components that are consumed in normal operation are warranted for two years.