




26 September 2019

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

			
	GfG G460	GfG G888	G999
Standard Warranty: Instrument	Lifetime*	Lifetime*	Lifetime*
Sensors			
Number of gases measured	1 – 6	1 – 7	1 – 7
O ₂ sensor expected life and warranty *	Before 2019: 2-year (fuel cell O ₂) From 2019: 5-year (lead free O ₂)	5-year (standard lead free O ₂)	5-year (standard lead free O ₂)
Infrared CO ₂ sensor expected life and warranty	3-year (8 year expected)	3-year (8 year expected)	3-year (8 year expected)
IR CO ₂ sensor power requirements	High power IR sensor	Low power IR sensor	Low power IR sensor
CO sensor expected life and warranty	3-year (5 year expected)	3-year (5 year expected)	3-year (5 year expected)
NO ₂ sensor expected life and warranty	3-year	3-year	3-year

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	GfG G460	GfG G888	G999
Type of rechargeable battery	Nickel Metal Hydride (NiMH)	Nickel Metal Hydride (NiMH)	Nickel Metal Hydride (NiMH)
Run time (with IR CO ₂ / CO / O ₂ / NO ₂ sensors)	20 hours	23 hours	47 hours
Charging time	6 hrs. (from completely depleted)	6 hrs. (from completely depleted)	8 hrs. (from completely depleted)
Charging connection*	1 set of contacts with cradle	3 sets contacts with either smart charging / calibration cap or charging cradle	3 sets contacts with either smart calibration / charging cap or charging cradle
Top-mounted display	No	Yes	Yes
Display Size	Large	Large	Large
Audible alarm	103 dB @ 30 cm	103 dB @ 30 cm	103 dB @ 30 cm
Vibrating alarm	Yes	Yes	Yes
Bump status / calibration status indicator	No	Yes	Yes
Built-in flashlight LED	Yes: Optional	Yes: Standard	Yes: Standard
Buttons	3	3	3
Size	75 X 110 X 55 mm	68 X 100 X 39 mm	68 X 136 X 39
Weight (depending on configuration)	280 g	250 – 275 g	350 - 395 g
Data-logging	Standard	Standard	Standard
On-board data storage	1800 intervals	30,000 intervals	30,000 intervals
Docking Station	Yes	Yes	Yes

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Motorized remote sampling pump			
Optional internal motorized pump	No	No	Yes
Optional attachable self-powered pump	Yes	No	No
Operable in diffusion mode w pump attached	Yes	-	Yes
Pump draw	100 m	-	100 m
IP Rating	IP67	IP67	IP67
Housing	Polycarbonate w/ protective over-mold	Polycarbonate w/ protective over-mold	Polycarbonate w/ protective over-mold
Real-time wireless communication	No	Yes	Yes
Wireless communication method	-	License free, 915 MHz ISM RF	License free, 915 MHz ISM RF
Wireless communication distance	-	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.

** Prior to 2019, the standard O₂ sensor for GfG instruments used in underground mines was a vented, fuel-cell O₂ sensor which needed to be replaced every 2 years. From January 2019 onwards, the standard O₂ sensor used in all GfG G460, G888 and G999 instruments is a long life, lead-free O₂ sensor. The lead-free sensor warranty is 5 years. The expected life of the lead-free O₂ sensor is up to 6 years or even longer.