

# Crowcon Technical Note

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**Document Reference:** GEN121  
**Document applies to:** All Triple Plus+ Variants  
**Release Date:** 04/10/2024  
**Subject:** Notice of Obsolescence: Triple Plus+



Crowcon's Triple Plus+ has safeguarded thousands of workers from gas hazards for over 13 years.

Production of these devices is now winding down and last orders will officially be on **31st December 2024**.

Spares and support will remain available until 2029, or until parts and components can no longer be sourced from suppliers.

The Triple Plus+ is succeeded by the Gas-Pro, a user-friendly device designed to detect a wide range of gas hazards:

- Gas-Pro employs a range of sensor technologies, including IR and PID, to detect up to 5 gases simultaneously, including toxic and flammable gases, oxygen and volatile organic compounds.
- Pre-entry checks are simple and intuitive with the Gas-Pro's optional internal pump, which activates automatically when a sampling line is connected.
- Routine functional tests and sensor calibrations can be quickly and easily performed using the I-Test and Q-Test automated test and calibration stations.
- Target flammable gases can be easily changed in the field through the device's menu, without having to recalibrate the unit.




A comparison chart and printable posters are on the following pages.

For more information, please contact +44 (0)1235 557700, [technicalsupport@crowcon.com](mailto:technicalsupport@crowcon.com)



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	Gas-Pro 	Gas-Pro TK 	Triple Plus+ 
Device warranty	3 years		2 years
Size	43 x 130 x 84mm (1.7 x 5.1 x 3.3ins)		118 x 200 x 73mm (4.65 x 7.8 x 2.9ins)
Weight	309g 4 gas (10.8oz) 340g 4 gas pumped (11.9oz) 333g 5 gas (11.7oz) 362g 5 gas pumped (12.7oz)	340g (11.9oz)	880g gas (31oz)
Alarms	Audible >95dB @ 30cm (98dB @30cm in loud mode) Visual – all angle dual red / blue LEDs Vibrating alert		Audible 85 dB at 1m Visual – Red / blue LEDs
Display	Bright top mount for ease of view with dual colour backlight (green/red)  Displays up to 5 readings simultaneously		Backlit display with backlight  Displays up to 4 readings simultaneously
Data logging	125hr at 10-second interval (45,000 logs)		100 hours at 1 minute sample rate
TWA Resume	✓	✓	x
Battery (4 gas unit)	>14hr (13 hours pumped)		>12 hours (10 hours pumped)
Sampling	Optional internal pump with 30m draw. (De-)activated with flow plate		Optional internal pump with on/off button
Operating temperature	-20°C to +55°C (-4°F to +131°F)		-20°C to +50°C (-4°F to 122°F)
Storage	-25°C to +65°C (-13°F to +149°F)		-20°C to +50°C (-4°F to 122°F)
Humidity	10 to 95% RH+		20 to 90% RH non-condensing

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Ingress protection	Independently tested to IP65 and IP67		IP65
Pellistor Correction factor	Yes	N/A	Yes
Crowcon Connect Compatible?	✓	✓	×
Compliance	FCC and CE. Complies with EMC Directive 2014/30/EU, EN50270 and EMC FFC CFR 47 Part 15, ICES-003 MED	FCC and CE. Complies with EMC Directive 2014/30/EU, EN50270 and EMC FFC CFR 47 Part 15, ICES-003 MED	Europe: EN50014, EN50020, EN50018-2, EN50270, EN50082-2
Approvals	<p>IECEX: Ex db ia IIC T4 Gb Tamb -20°C to +55°C</p> <p>ATEX: II 2 G Ex db ia IIC T4 Gb Tamb -20°C to +55°C</p> <p>UL: Class 1, Division 1, Groups A, B, C, and D UL 913, UL 60079-0 and UL 60079-11</p> <p>INMETRO: Ex db ia IIC T4 Gb Tamb -20°C to +55°C</p> <p>Marine Equipment Directive: MED 1500009</p>	<p>IECEX: Ex db ia IIC T4 Gb Tamb -20°C to +55°C</p> <p>ATEX: II 2 G Ex db ia IIC T4 Gb Tamb -20°C to +55°C</p> <p>UL: Class 1, Division 1, Groups A, B, C, and D UL 913, UL 60079-0 and UL 60079-11</p> <p>INMETRO: Ex db ia IIC T4 Gb Tamb -20°C to +55°C</p> <p>Marine Equipment Directive: MED 1500009</p>	ATEX II 2G: Ex ib d IIC T4 Gb Ta -20°C to +50°C



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## Gas-Pro vs Triple Plus+ Summary

List Price:  
Non-pumped and pumped:

↓ 50% (half price of TP+)



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- Lighter: ↓ 60% (340g)
- Louder: ↑ 10% (95db)
- Increased Data Logging: ↑ 30% (45,000 logs)
- Longer Battery Life: ↑ 15% (>14 hours)
- Longer Battery Life Pumped: ↑ 30% (>12 hours)
- Improved safety: *TWA Resume*
- Integrated pump which automatically runs with flow-plate
- Also has: In-field Pellistor correction factors

## Gas-Pro TK vs Triple Plus+ Summary

List Price:

↓ 40% of TP+



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- Lighter: ↓ 60% (340g)
- Louder: ↑ 10% (95db)
- Increased Data Logging: ↑ 30% (45,000 logs)
- Longer Battery Life: ↑ 15% (>14 hours)
- Longer Battery Life Pumped: ↑ 30% (>12 hours)
- Still has: *Tank Check Mode*

