

# Zerowaste® Rapide+ Ultrafast IR SF6 Analyser

**emt**  
Experts in ultrafast SF6  
gas analysis and handling



The world's **FIRST** 1 minute SF6 analyser - always ready for testing.

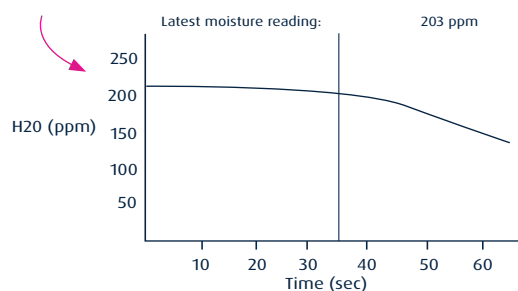


If your maintenance teams are undertaking extensive testing; manpower, time and costs are all priorities.

- Conventional SF6 analysers take on average 5-10 minutes to run a single test.
- Until now there has been nothing on the market which can test **up to 10 parameters in just 1 minute**.
- Introducing the **Zerowaste® Rapide+ Infra Red SF6 Analyser** - part of the EMT Zerowaste® family. Another revolutionary innovation developed by the #1 SF6 analyser manufacturer in the world.
- Efficiency amounts to profitability - with an **enhanced measurement speed and reduced initialisation time** EMT's ultrafast SF6 analyser brings the laboratory to the field and is **5X more productive** than any alternative SF6 measurement.
- SF6 analysis has never been easier or faster for your maintenance teams; productivity and efficiency achieved - without compromising performance.

In addition to the already market leading specifications, the new additional features of the Rapide+ include:

- Large 7" multifunction colour display with new easy to use software.
- Ultrafast ONE minute analysis.
- Low maintenance and reduced cost of ownership.
- Easy to verify and check calibration with EMT Verify Cal Gas Kits
- Field replaceable sensors (3 year life)
- Compliant to new IEC 60376 (2018) & IEC 60480 (2019) standards.
- Lightweight, long battery capacity with improved serviceability.
- Leak detection probe option
- Intelligent, real time moisture/dewpoint graph.



Contact our team for a demonstration: [enquiries@emt.uk.com](mailto:enquiries@emt.uk.com)

# Technical Specification

## Zerowaste® Rapide+

Gases Measured and Options	Gas	Range	Repeatability
	SF6 Purity	0-100%	+/-0.5% FS <sup>1</sup>
	Dewpoint	-60 - 20oC	+/-0.5°C at -30°C
	HF	0-200ppm	+/-5% FS <sup>1</sup>
	S02 Lo	0-150ppm	+/-2% FS <sup>1</sup>
	S02 Hi	0-500ppm	+/-2% FS <sup>1</sup>
	CF4 Lo	0-4000ppm	+/-2% FS <sup>1</sup>
	CF4 Hi	0-65%	+/-1% FS <sup>1</sup>
	CO	0-1000ppm	+/-5% FS <sup>1</sup>
	H2S	0-100ppm	+/-5% FS <sup>1</sup>
	R12	0-250ppm	3% of FS <sup>1</sup>
	AIR	0-50%	1% of FS <sup>1</sup>

FS1: Full Scale (of Measuring Range)

SF6 Leak Detection	Detection Limit	3 gm/year
	Technology	NDIR

Screen	Type	WVGA TFT
	Size	7.0" (wide aspect ratio)
	Resolution	800 x 480 dots
	Transmission Mode	TN/Transmissive/ Normally White
	Colours	24 bit
	Touchscreen	Integrated resistive touch panel
	Backlight	White LED PWM
	Luminance	350Cd/m2 (Typ.)

Gas Pressure	0.1 to 10 bar (1.4 to 145 PSI)
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Memory	Type	Flash EEPROM
	Capacity	1000 results

High Pressure Option	0.1 to 12 bar
	1.4 to 174 PSI

PC Communications	Type	USB
	Class	HID
	Connector	Mini AB

Battery	Operating Time	>10 hours
	Charger Input	100-240V - 50/60Hz

Operating Environmental Conditions	Temperature Range	-20°C to +50°C (-4°F to +122°F)
	Humidity	0-95%RH non-condensing
Physical Specifications	Weight	17kg (37.5lbs)
	Maximum Dimensions	L500 x W300 x D470 mm (19.11" x 12" x 18.5")



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**IRzerowaste**  
**RAPIDE+**  
EMT Ultrafast IR SF6 Analyser

For details of your local EMT distributor, for further information on our products, or to request a demonstration please contact us.

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