

# Zerowaste® Rapide Ultrafast IR SF6 Analyser from EMT

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

**Rapid Testing ... 1 minute**  
**Rapid Analysis ... 1 minute**  
**Rapide Results ... 1 minute**

*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 **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 No.1 SF6 analyser manufacturer in the world.

IR zerowaste®  
**RAPIDE**  
EMT Ultrafast IR SF6 Analyser



- 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.

Contact our team of global specialists now for a demonstration of the fastest and most accurate SF6 Analyser in the world  
[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 - 20°C	+/-0.5°C at -30°C
	HF	0-200ppm	+/-5% FS <sup>1</sup>
	SO2 Lo	0-150ppm	+/-2% FS <sup>1</sup>
	SO2 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>

FS<sup>1</sup>: Full Scale (of Measuring Range)

SF6 Leak Detection	Detection Limit	3 gm/year
	Technology	NDIR

Screen	Type	TFT
	Size	4.3" 16:9 (wide aspect ratio)
	Resolution	480 x 272 dots
	Transmission Mode	TN/Transmissive/Normally White
	Dot Pitch	0.198 x 0.198
	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

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

PC Communications	Type	USB
	Class	HID
	Connector	Mini AB
Battery	Operating Time	>8 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")

Part Number	New Rapide Instruments
ZW-1-R-SF6	Zerowaste® single gas RAPIDE analyser (SF6)
ZW-1-R-H2O	Zerowaste® single gas RAPIDE analyser (H2O)
ZW-2-R	Zerowaste® 2 gas RAPIDE analyser (SF6/H2O)
ZW-3-R	Zerowaste® 3 gas RAPIDE SF6 analyser (SF6/H2O/SO2)
ZW-4-R	Zerowaste® 4 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF)
ZW-5-R	Zerowaste® 5 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF/Air)
ZW-6-R	Zerowaste® 6 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF/Air/CF4)
ZW-7-R	Zerowaste® 7 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF/Air/CF4/R12)
ZW-8-R	Zerowaste® 8 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF/Air/CF4/CO/H2S)

Part Number	Rapide Upgrade Part Numbers
ZW-1-R-UP-SF6	Zerowaste® single gas RAPIDE analyser (SF6) UPGRADE
ZW-1-R-UP-H2O	Zerowaste® single gas RAPIDE analyser (H2O) UPGRADE
ZW-2-R-UP	Zerowaste® 2 gas RAPIDE analyser (SF6/H2O) UPGRADE
ZW-3-R-UP	Zerowaste® 3 gas RAPIDE SF6 analyser (SF6/H2O/SO2) UPGRADE
ZW-4-R-UP	Zerowaste® 4 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF) UPGRADE
ZW-5-R-UP	Zerowaste® 5 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF/Air) UPGRADE
ZW-6-R-UP	Zerowaste® 6 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF/Air/CF4) UPGRADE
ZW-7-R-UP	Zerowaste® 7 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF/Air/CF4/R12) UPGRADE
ZW-8-R-UP	Zerowaste® 8 gas RAPIDE SF6 analyser (SF6/H2O/SO2/HF/Air/CF4/CO/H2S) UPGRADE

