

Zerowaste Rapide+ Ultrafast SF6 Analyser

emt
Experts in ultrafast SF6 gas analysis and handling



Zerowaste Rapide+ The FIRST 1 minute SF6 Analyser – always ready for testing.

Ideal for maintenance teams undertaking extensive testing programmes where manpower, time and costs are all priorities.

The EMT Zerowaste Rapide + is designed to provide operators ultrafast analysis of up to 10 gas parameters in just 1 minute for the following applications:

- Ensuring SF6 purity and concentration is inline with OEM guidelines for safe and efficient use of the asset
- Detecting and measuring SF6 breakdown/ decomposition contaminants
- Ensuring safety and wellbeing of operators working with SF6 and its breakdown byproducts

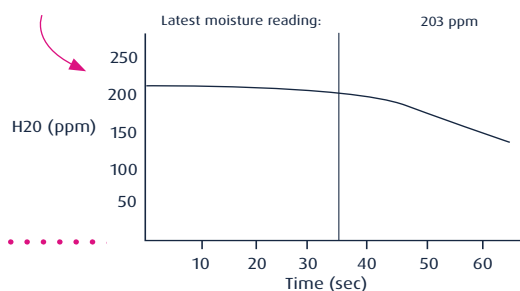
The Zerowaste Rapide+ enhanced analysis speed allows for increases in operator efficiency and productivity.

This enhanced efficiency and productivity enables greater volumes of testing to be performed providing utilities with a comprehensive understanding of the current and potential long-term condition of their assets.

Fast, accurate and reliable analysis allows utilities to better plan maintenance schedules to ensure reduced downtime and unplanned outages.

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

- 5x more productivity over standard SF6 analysers
- 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
- Compliant to new IEC 60376 (2018) & IEC 60480 (2019) standards.
- Lightweight, long battery capacity with improved serviceability.
- Leak detection probe option
- CMS Continuous Monitoring System option
- Intelligent, real time moisture/dewpoint graph



For more information or a demonstration contact sales@emt.global or visit www.emt.global

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Technical Specification

FS1: Full Scale (of Measuring Range)

| Gases Measured and Options | Gas | Range | Repeatability |
|----------------------------|------------|------------|-------------------------|
| | SF6 Purity | 60-100% | +/-0.5% FS ¹ |
| | Dewpoint | -60 - 20°C | +/-0.5°C at -30°C |
| | HF | 0-200ppm | +/-5% FS ¹ |
| | SO2 Hi | 0-500ppm | +/-2% FS ¹ |
| | CF4 Lo | 0-4000ppm | +/-2% FS ¹ |
| | CF4 Hi | 0-60% | +/-1% FS ¹ |
| | CO | 0-1000ppm | +/-5% FS ¹ |
| | H2S | 0-100ppm | +/-5% FS ¹ |
| | R12 | 0-250ppm | 3% of FS ¹ |
| | AIR | 0-50% | 1% of FS ¹ |

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|--------------------------|---|
| Hose Purge Option | Pre-sample hose purge to remove latent moisture in sample hose for more accurate H2O measurements |
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| Leak Detection Probe Option | Detection limit 3gm/year |
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| CMS Continuous Monitoring System Option | Continuous 24/7 analysis capability for long term asset conditioning |
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|----------------|-----------------------|--------------------|
| Battery | Operating Time | >10 hours |
| | Power Supply | 100-240V - 50/60Hz |

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|---|--------------------------|---------------------------------|
| Operating Environmental Conditions | Temperature Range | -20°C to +50°C (-4°F to +122°F) |
| | Humidity | 0-95%RH non-condensing |

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| 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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|---------------------------|------------------------|-----------|
| SF6 Leak Detection | Detection Limit | 3 gm/year |
| | Technology | NDIR |

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|---------------|----------------------------|
| Screen | 7" Full Colour Touchscreen |
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| Standard Gas Inlet Pressure | 0.1 to 10 Bar (1.4 to 145 PSI) |
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|-------------------------------------|----------------|
| Optional Pressure Capability | 0.1 to 12 Bar |
| | 1.4 to 174 PSI |

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|--------------------|-----------------|------------------------|
| Datalogging | Type | Exportable as CSV file |
| | Capacity | 1000 results |



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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