

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 Intra 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 new SF6 analyser brings the laboratory to the field and is **5X more productive** than any alternative.
- SF6 analysis has never been easier or faster for maintenance teams; productivity and efficiency are 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

Technical Specification

Zerowaste® Rapide

| Gases Measured and Options | Gas | Range | Repeatability |
|----------------------------|------------|------------|-------------------------|
| | SF6 Purity | 0-100% | +/-0.5% FS ¹ |
| | Dewpoint | -60 - 20°C | +/-0.5°C at -30°C |
| | HF | 0-200ppm | +/-5% FS ¹ |
| | SO2 Lo | 0-150ppm | +/-2% FS ¹ |
| | SO2 Hi | 0-500ppm | +/-2% FS ¹ |
| | CF4 Lo | 0-4000ppm | +/-2% FS ¹ |
| | CF4 Hi | 0-65% | +/-1% FS ¹ |
| | CO | 0-1000ppm | +/-5% FS ¹ |
| | HS2 | 0-100ppm | +/-5% FS ¹ |
| | R12 | 0-250ppm | 3% of FS ¹ |
| | AIR | 0-50% | 1% of FS ¹ |

FS¹: 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) |
|--------------|--------------------------------|
|--------------|--------------------------------|

| Memory | Type | Flash EEPROM |
|--------|----------|--------------|
| | Capacity | 1000 results |

| High Pressure Option | 0.1 to 12 bar |
|----------------------|----------------|
| | 1.4 to 174 PSI |

Energy Maintenance Technologies Ltd
 Unit A6 Barton Industrial Estate
 Barton le Clay
 Bedfordshire
 MK45 4RP
 United Kingdom
 Tel: + 44 (0) 7535 900214 | Tel: +44 (0) 7979 527292
 Email: enquiries@emt.uk.com
 www.emt.uk.com

EMT Americas
 Email: enquiries@emtamericas.com
 www.emtamericas.com

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 |

