

# IR zerowaste SF6 Analyser

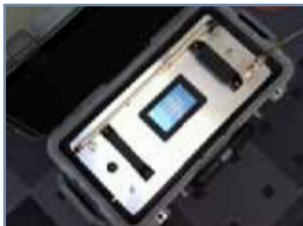
**The most advanced automatic  
SF6 zerowaste analyser  
on the planet**

*By EMT ... World leader's in SF6 Analysers*



## Features of the new EMT assero IR zerowaste SF6 Analyser

- Auto Operation: connect and walk away!**  
 Connect to the Circuit Breaker and the zerowaste automatically samples the SF6 gas, by detecting when gas is connected (by sensing the inlet gas pressure) and starting the preselected number of cycles automatically then pumping the gas back after the analysis.
- Safe Distance Working:**  
 The zerowaste allows a safe working distance for the user. Once started, the unit will wait for 2 minutes before commencing the analysis, automatically.
- Multi Analysis Operation:**  
 The user can select up to 5 cycles to run on the same sample. In fully automatic mode, the instrument will run the selected number of cycles then pump the gas back at the end. The user will then be able to view and save the results for the number of measurements taken.
- Fully compliant with all current IEC and Cigre Methods
- Pre set IEC and Cigre Methods- Plus 3 custom methods
- Smallest amount of SF6 Gas Sample:- Only uses 250cc's of SF6- suitable for low voltage breakers
- Works at very low pressures:- 0.1Bar up to 10 Bar
- Built in pressure regulation and measurement.
- The lightest "Pump Back" SF6 analyser:- only 15Kg / 33lbs
- The fastest analyser- 5 minutes per cycle
- The most accurate- laboratory quality analysis in a portable analyser.
- Multi Sensor - Hi/Lo ppm Technology (S02)



Select method



Home Screen



Analyse screen



End Screen

# IR Zerowaste Technical Specifications

PART NO. IRZW

## Sensor & Gases / Ranges:

**Up to 10 gases- user selectable- IR1 to IR10:**

**SF6 Purity** Range: 0-100% vol, accuracy:  $\pm 0.5\%$  from measuring range

**Dew Point** Range:  $-60$  to  $+20^{\circ}\text{C}$ , accuracy:  $\pm 0.5^{\circ}\text{C}$  at  $-30^{\circ}\text{C}$

**SO2** Low Range: 0-20ppm, accuracy:  $\pm 2\%$  from measuring range

**SO2** High Range: 0-150ppm, accuracy:  $\pm 2\%$  from measuring range

**HF** Range: 0-200ppm, accuracy:  $\pm 5\%$  from measuring range

**CF4** Range: 0-65% vol accuracy:  $\pm 1\%$  from measuring range

**AIR** 0-50% vol accuracy:  $\pm 1\%$  from measuring range

**CO** Range: 0-1000ppm, accuracy:  $\pm 5\%$  from measuring range

**H2S** Range: 0-100ppm, accuracy:  $\pm 5\%$  from measuring range

**R12 (push gas)** Range: 0-250ppm, accuracy:  $\pm 5\%$  from measuring range

- Leak Detection Probe Option- ppm/gms per year.
- USB data download:- up to 1000 sample results asserolyz-IR dataman intuitive software.
- The only Fully Portable zerowaste IR SF6 analyser: AC or Battery operated, even during gas recycling.
- Light and Robust:- Housed in a robust IP67case with wheels, retracting handle, pockets for hoses and spare parts.
- Gas Storage for up to 5 normal sampling cycles - excellent to check reproducibility and performance.
- Inlet auto gas pressure sensing.- For auto analysis.

## Electrical specification

### Power Supply

Battery operation ?? hrs hours continuous operation  
AC Supply: - 24V a.c.

## Weight

15 Kg or 33 lbs (Case 8 Kg or 17.6 lbs)

## Case Dimensions

500 x 305 x 457 mm  
(19.6" x 12" x 18")

Please contact EMT personnel below for further information:

Energy Maintenance Technologies Ltd  
Church End, Markyate, Hertfordshire, AL3 8PY

Please contact EMT personnel now on  
Tel: + 44 (0) 7535 900214 Tel: +44 (0) 7979 527292  
EMT Americas: Tel: (1) 678-654-6595  
Email: [enquiries@emt.uk.com](mailto:enquiries@emt.uk.com)  
[www.emt.uk.com](http://www.emt.uk.com) or [www.emtamericas.com](http://www.emtamericas.com)

