

NEW Zerowaste[®] CMS from EMT



Introducing the world's first SF6 Continuous Monitoring System for 24/7/365 monitoring of SF6 installations.

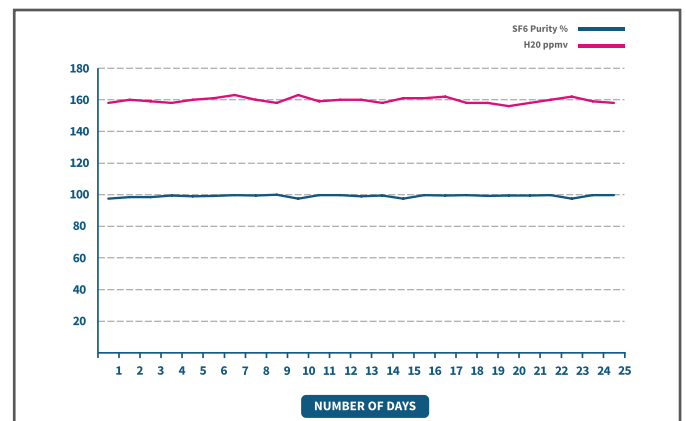
Ideal for SF6:

- Fault Investigation
- Installation & Commissioning
- Asset Health Trend Analysis
- Condition Monitoring
- Absorbent/Filter Breakthrough
- Recycling/Validation Checks
- Research and Development

Would you like to know what's happening to the condition of the SF6 gas in your assets, GIS and circuit breakers?

In the event of an unexplained fault with one of your SF6 assets, would you want access to continuous real time data on events leading up to and following a fault or arc breakdown?

What was not possible can now be standard practice with the Zerowaste[®] CMS – a welcome addition to the most advanced family of SF6 measurement technologies from EMT.



Data Example of Zerowaste[®] SF6 Continuous Monitoring System

Benefits of the Zerowaste[®] CMS:

- Automatic sampling and analysis of SF6 gas, based on user-selectable intervals from 10 minutes to 10 hours between sampling sessions, and with up to 5 samples measured in each session
- Unique drying function – the CMS removes moisture/ H2O on pump back
- Automatic SF6 pump back at the end of each set of measurements or when the internal storage is full
- USB data management for integration with Excel and other reporting formats
- On site calibration capability
- Measurement of SF6 quality 24 hours per day, 7 days per week, 365 days per year
- Measurement of 10+ SF6 quality parameters including SF6 purity, H2O - Dewpoint, SO2, HF, CF4, CO, H2S, R12, Air
- Utilises advanced patented Infra Red SF6 measurement technology
- Unique design enables measurement of highly corrosive SF6 breakdown products without damaging the analyser
- 12 hour emergency battery backup in case of power failure
- Fully portable, can be transported and installed on site in minutes

Technical Specification

Zerowaste® CMS



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
	H2S	0-100ppm	+/-5% FS ¹
	R12	0-250ppm	3% of FS ¹
	AIR	0-50%	1% of FS ¹

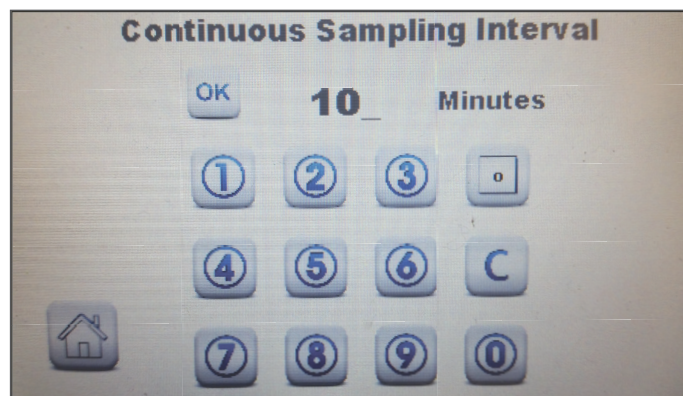
FS¹: Full Scale (of Measuring Range)

Operating Environmental Conditions	Temperature Range	-20 to +40°C (-4 to +140°F)
	Humidity	0-95% RH non-condensing
Physical Specifications	Weight	15kg (33lbs)
	Maximum Dimensions	L500 x W300 x D470 mm (19.11" x 12" x 18.5")
Gas Pressure		0.5 to 10 bar (7 to 145 PSI)
Measurement Intervals		from 10-600 minutes
Measurement Cycles		1-5
Battery	Operating Time	>8 hours
	Charger Input	100-240V - 50/60Hz

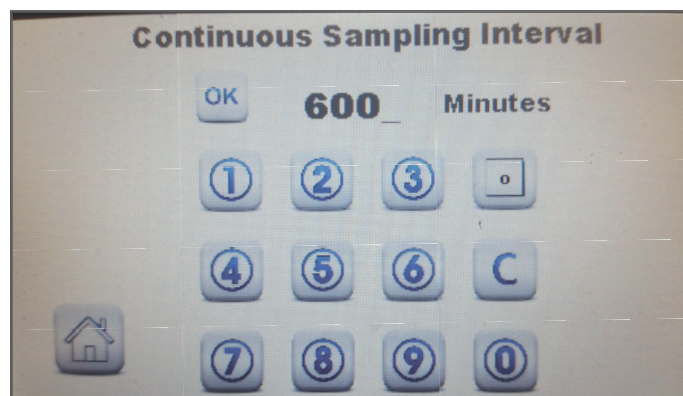
Energy Maintenance Technologies Ltd
Unit A6 Barton Industrial Estate
Barton le Clay
Bedfordshire
MK45 4RP
United Kingdom
Tel: + 44 (0) 7535 900214 | Tel: +44 (0) 7979 527292
Email: enquiries@emt.uk.com
www.emt.uk.com

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

MKT-011



Zerowaste® CMS Sampling Interval Screen - 10 minutes minimum



Zerowaste® CMS Sampling Interval Screen - 600 minutes maximum

Other Products in this Range

- Zerowaste® 3 Gas Analyser (SF6 Purity H2O and SO2)
- Zerowaste® SF6 Analyser (measurement of up to 11 gas parameters)
- Asserolyz-IR 3 Gas Analyser (SF6 Purity H2O and SO2)
- Smartfill SF6 Filling & Topping Up System
- Smartfill Continuous SF6 Top-Up Manager

Other New EMT Products

- Zerowaste® Moisture Perfect Hose Vacuum Drying Function
- APM Auto SF6 Pumpback Module
- Smartfill SmartWeigh®

