

Portable
ozone monitor

Elektravägen 53
SE-126 30 Hägersten, Sweden
+46 10 252 30 00
www.ozonetech.com

Series 500

The Series 500 monitor is a feature-rich portable monitor with the ability to accurately measure multiple target gases at different concentrations in indoor and outdoor applications. Built-in data-logging and a long-life, fast-charging lithium battery makes the Series 500 the ultimate choice for air quality professionals, consultants, and researchers.



Specification

Measurement units	Gas: ppm or mg/m ³ Humidity: % Temperature °C or °F
Reading functions	Instant, minimum, maximum, average
Alarm features	Low alarm, high alarm, mute (configurable)
Display status indicators	Alarm, battery, data logging, sensor, standby, monitor and location ID
Audible alarm	Low and/or high alarm set points (with mute)
External signal functions	Low alarm, high alarm, control (150 mA max)
Sensor calibration features	Zero calibration, gain adjustment
Analog output	0-5 V
Digital interface	RS232 to USB
Data logging capacity	Up to 8,188 records (2,706 incl. temp/RH)
PC data logging	Software and data cable supplied
Clock function	Real time
Power supply	12 V DC (power adaptor/charger supplied 100-250 V AC)
Rechargeable battery	Lithium polymer 12 V DC 2700 mA/h (2 h charge time / 8 h run time)



© Ozonetech

ozonetech.
a MELLIFIQ brand

Portable ozone monitor

Specification

Enclosure material and rating	PC and ABS; IP20 and NEMA 1 equivalent
Size (with sensor head)	195 x 122 x 54 mm; 75/8 x 4¾ x 21/8 in
Weight (with sensor head and battery)	< 460 g; < 16 oz
Environmental operating conditions	Temperature: -5 °C to 45 °C (23 °F to 113 °F); Humidity: 0 to 95% non-condensating
Temperature & humidity sensor	Range -40°C to 124°C (-40°F to 255°F); Range 0 to 100% RH
Approvals	Part 15 of FCC Rules; EN 50082-1: 1997; EN 50081-1: 1992

Benefits

- Fits comfortably in the hand
- One monitor compatible with four different ranges of ozone sensor
- Data logged directly onto monitor base
- Changing sensors takes seconds and can be done anywhere
- Free PC software (Windows 7, 8, XP compatible)
- Remote sensor capability
- Long life lithium battery technology
- Zero and span calibrate in the field
- Connect direct to PC via USB
- Audible alarm functionality

Elektravägen 53
SE-126 30 Hägersten, Sweden
+46 10 252 30 00
www.ozonetech.com



© Ozonetech

ozonetech.
a MELLIFIQ brand

Portable ozone monitor

Ordering information

Included	Monitor base	
	LCD digital display	
	Lithium battery and charger	
	In-built datalogger	
	0-5 V output	
	Zero and span adjustment	
	Low and high alarm	
	Monitor to USB cable	
Features	PC software	
	Built-in data-logging	
	Lithium battery as standard	
	PC software (Windows 7, 8, XP)	
	Connect to PC via USB cable	
	High and low alarms, control output	
	Link data to a specific location and monitor	
	Interchangeable gas sensor heads (30+ choices)	
Sensors heads available for	Temperature and RH sensor optional (plug-and-play)	
	Ammonia (NH ₃)	
	Carbon dioxide (CO ₂)	
	Carbon monoxide (CO)	
	Hydrogen (H ₂)	
	Hydrogen sulphide (H ₂ S)	
	Methane (CH ₄)	
	Nitrogen dioxide (NO ₂)	
	Non methane hydrocarbon (NMHC)	
	Ozone (O ₃)	
	Sulphur dioxide (SO ₂)	
	Volatile organic compounds (VOC)	
	Multi-sensor head: VOC / CO / CO ₂ or CO / CO ₂	
	Optional accessories	Remote sensor kit
		Spare battery
Car adaptor		
Wall bracket		
Carry case		

Typical applications

- Source and leak detection
- Ozone process control
- Health and safety monitoring
- Indoor air quality



© Ozonotech

Elektravägen 53
SE-126 30 Hägersten, Sweden
+46 10 252 30 00
www.ozonotech.com

ozonotech.
a MELLIFIQ brand