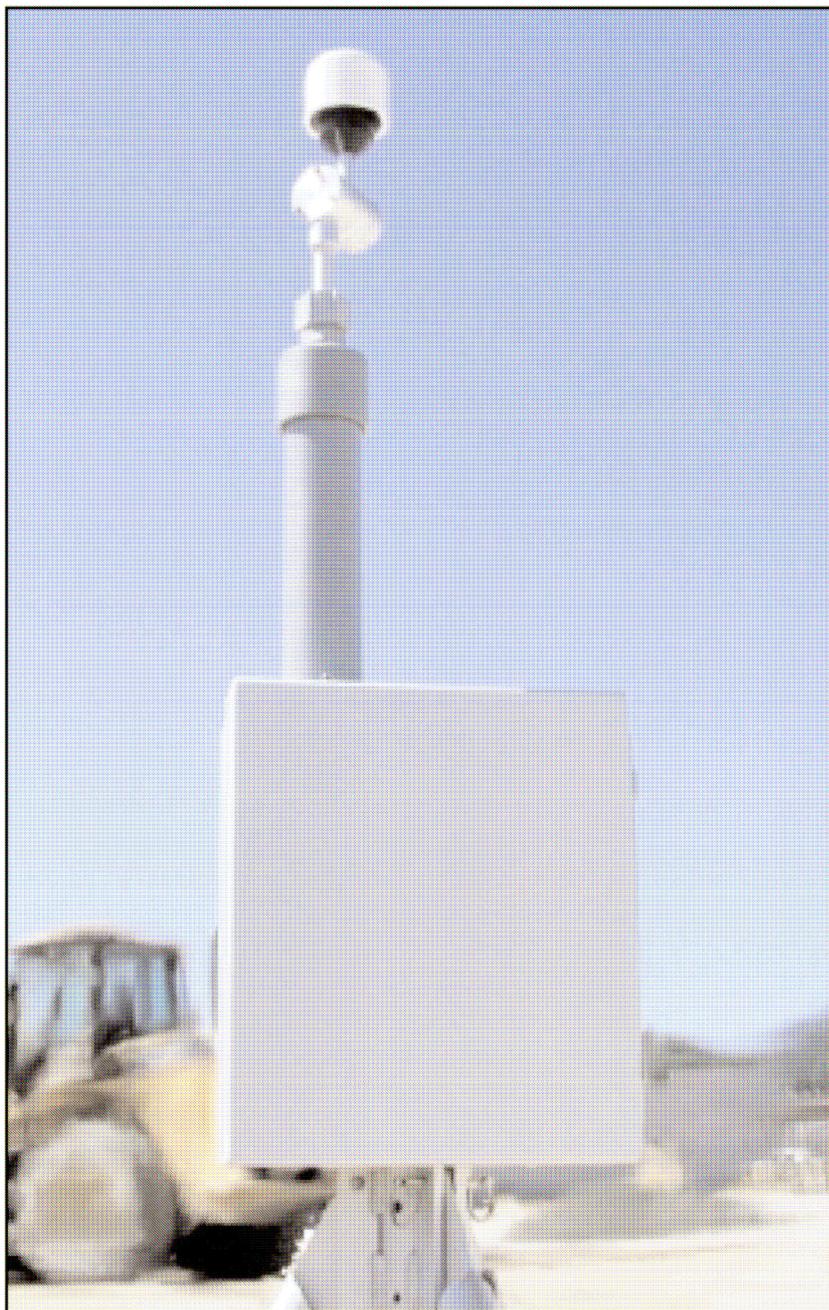


# E-SAMPLER™



## The New Standard in Real-Time Aerosol Monitoring.

The E-SAMPLER is the most feature-packed light-scatter Aerosol Monitor available. Whatever your monitoring need the E-sampler will provide accurate, dependable and relevant data.

### Features

- Programmable Auto-Zero
- Programmable Auto-Span
- Auto-ranging (1 to 100000  $\mu\text{m}/\text{m}^3$ )
- Adjustable Ambient Flow Control 1-3.5 LPM
- Internal Battery (30HRS Operation)
- Laser-Diode Precise Optical Engine
- Integral 47mm Analysis Filter
- Ambient Pressure and Temperature
- Internal Datalogger
- PM<sub>10</sub>, PM<sub>2.5</sub>, PM<sub>1</sub>, TSP Monitoring
- Aluminum Weatherproof Enclosure
- Sheath-Air protected Optics
- Completely Self-Contained
- No Tools Filter Replacement

### Applications

- Ambient Air Monitoring
- Remediation Site Perimeter Monitoring
- Indoor Air Quality Monitoring
- Source Monitoring
- Visibility Monitoring
- Mobile Monitoring

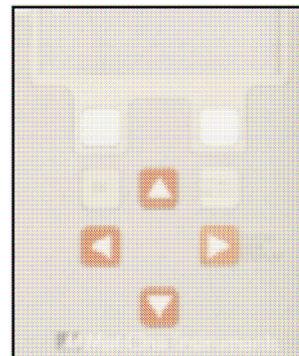
 Met One Instruments, Inc.

 **VIBRO-ACOUSTIC**  
ACUSTICA ARIA ACQUA AMBIENTE

# Specifications

## Specifications

Concentration Ranges (Auto-ranging)	0-.5, 0-1, 0-10 0-100 mg/m <sup>3</sup>
Sensitivity	.001mg/m <sup>3</sup>
Sample period	1 sec
Sample Flow Rate	1 to 3.5 LPM
Accuracy	8% of NIOSH 0600
Precision	.003 ug/m <sup>3</sup> or 2% reading
Particle size sensitivity range	.1-100 micron
Long term Stability	5% reading
Sensor Type	Forward Light Scatter
Average Period	.1 – 60 minutes
Display	4X20 LCD
Power	12 VDC 12 Amp-Hr Internal 400 mA >30 Hours
Consumption	Lead Acid
Internal Battery Operation	10.5 (267) X 9.25 (235) X 5.7 (145) Inches (mm)
Battery Type	2 yrs
Size	15min to 24 hours
MOI service Period	15min to 24 hours
Programmable Auto-Zero	Gravimetric
Programmable Auto-Span	Configurable RH controlled
Traceable testing	Analog 0-1,0-2.5,0-5,0-10 VDC, RS232
Sample Line Heater	10000 Records
Outputs	Standard
Data Storage Capacity	-10 to 50 C
Temperature Compensation	Internal
Temperature Range	-30 to +50 C
RH Measurement	1040 to 600 mbars
Ambient Temperature	Contact Closure
Ambient Pressure	TSP,PM10, PM2.5, PM1
Alarm	
Available Cut Points	



## Standard Equipment

Universal Voltage Power Supply/Battery Charger  
47 mm Filter Holder  
TUS Software  
TSP Inlet  
Digital Output Cable  
External Battery Cable  
Instruction Manual

## Options

PM10, PM2.5, PM1 Sharp Cut Cyclone  
Extra 47 mm Filter Holders  
Aluminum Tripod  
Air and Air Plus Software  
Radio Modem  
Phone Modem  
GOES Satellite  
Wind Speed/Direction Sensor  
Ambient RH



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