



# Sorbent Trap Sampling System

## OLM30B

Portable, lightweight and compact

Empower your team with the ability to conduct spot checks of critical processes. Easy to use, lightweight and portable, Ohio Lumex offers the only sorbent trap sampling system with Mass Flow Controllers to give you the ability to achieve both high and low flow rates, a patent pending in-line thermocouple to achieve tight temperature control, and both probe heating and cooling capabilities. In addition, the sampler is housed in a rugged, portable case that can withstand even the harshest testing environments.

### Applications

- ▶ EPA Method 30B (RATA)
- ▶ Pre-RATA spot checks
- ▶ Confirmation of continuous emissions monitor (PS 12A) readings
- ▶ Engineering studies
- ▶ Control technology optimization
- ▶ Compatible with Hg, HCl, HBr, Se, As, NH<sub>3</sub>, and other sorbent traps



**Worldwide Leader in Environmental Monitoring**

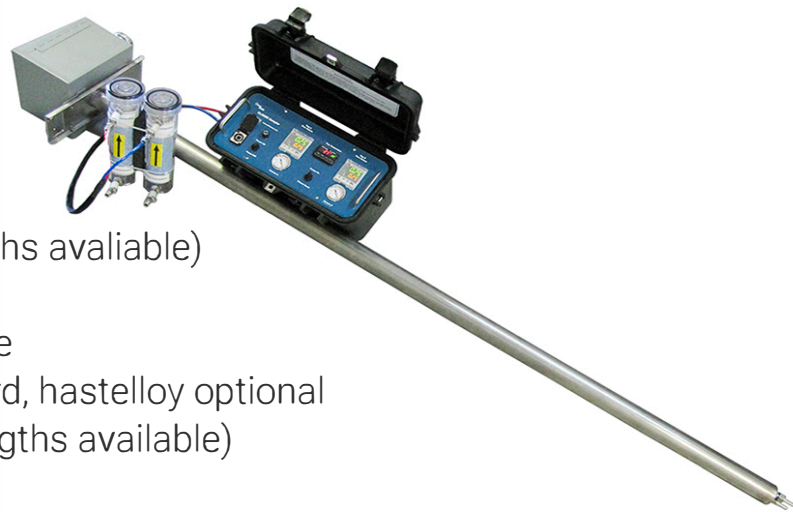


## Key Features

- ▶ Portable, lightweight and compact
- ▶ Probe heating/cooling capability
- ▶ Automatically corrects sample volume for pressure and temperature
- ▶ Ability to sample at low flow rates
- ▶ Oxygen sensor (optional)
- ▶ In-line thermocouple for maximum temperature control (optional)

## Technical Specifications

- ▶ Console weight: 15 lbs
- ▶ Probe (6 ft), weight: 32 lbs (other lengths available)
- ▶ Sample flow rate: 0-2 LPM
- ▶ Voltage: 110V standard, 220V available
- ▶ Probe material: stainless steel standard, hastelloy optional
- ▶ Sample lines (15 ft standard, other lengths available)



## Included Components and Accessories

- ▶ Sampling Console
- ▶ Probe (6 ft stainless standard, other lengths available)
- ▶ Sample lines (15 ft standard, other lengths available)
- ▶ Moisture removal and acid gas scrubber assembly with wrench
- ▶ Stand for scrubber assembly
- ▶ Spare desiccant
- ▶ Cooling blower
- ▶ Cooling hose with clamps
- ▶ Spare Teflon ferrules
- ▶ Spare compression nuts
- ▶ USB cable

## Optional Accessories



Custom case with  
foam cutouts



Hose adapter for  
compressed cooling air



In-line thermocouple  
(patent pending)



6" titanium probe shield



Built-in oxygen  
analyzer  
(patent pending)



NIST-traceable  
volumetric flow meter  
(required for RATAs)



4" or 6" aluminum  
flange with camlock  
connector

**Contact Us Today For More Information**

# Sorbent Traps

At Ohio Lumex, we offer a wide range of sorbent traps, including Mercury Sorbent Traps to conduct RATAs, easily spot check Mercury CEMs, and check of Mercury Oxidation throughout the plant, Ammonia Sorbent Traps to spot check Ammonia Monitors and Ammonia Slip, HCl and HBr Sorbent Traps, Arsenic Sorbent Traps as a catalyst management tool, and Selenium Sorbent traps to measure gas phase Selenium for compliance with ELG limits.



## Arsenic/Selenium Sorbent Traps

- ▶ Arsenic ST is useful in evaluating the efficiency of limestone injection
- ▶ Alternative to Method 29



## HCl/HBr Sorbent Traps

- ▶ Determine flue gas HCl concentrations as low as 0.1 ppmv
- ▶ Approved as Alternative Test Method (ALT-129)



## Method 30B Total Mercury

- ▶ Custom made to your source conditions
- ▶ Sorption capacity from 0.3 to millions ng
- ▶ Accurate custom spiking



## Hg Speciation Sorbent Trap

- ▶ Ratio of Oxidized Hg versus Elemental Hg
- ▶ Perfect for control technology verification testing, SCR management, FGD reemission testing, etc.



## Ammonia Sorbent Trap

- ▶ Produces accurate results at low levels - MDL below 0.1 ppmv
- ▶ Useful tool for catalyst management



## SO<sub>3</sub>/Sulfuric Acid Mist Sorbent Trap

- ▶ Used for SCR engineering purposes or anywhere from economizer outlet to stack
- ▶ Alternative to method 8A