

## REPAIR CALIBRATION & METROLOGY SERVICES

<b>Portable Gas Meter</b>	<b>Service &amp; Calibration</b>
<b>5 Gas with PID Meter</b>	\$205
<b>5 Gas Meter</b>	\$160
<b>4 Gas with PID Meter</b>	\$180
<b>4 Gas Meter</b>	\$135
<b>3 Gas Meter</b>	\$115
<b>2 Gas Meter</b>	\$80
<b>1 Gas Meter</b>	\$65
(LEL, O <sub>2</sub> , H <sub>2</sub> S, CO, CO <sub>2</sub> , Cl <sub>2</sub> , NH <sub>3</sub> , HCN, SO <sub>2</sub> , NO, NO <sub>2</sub> )	
<b>Flame Ionization Service &amp; Calibration</b>	\$180
<b>FID Special Calibration:</b> USEPA method 21 Calibration	\$90
<b>Photoionization (PID) Service &amp; Calibration:</b> PPM Scale	\$135
<b>Photoionization (PID) Service &amp; Calibration:</b> PPB Scale	\$205
<b>Landfill Gas Analyzer Service &amp; Calibration:</b> (CO <sub>2</sub> , O <sub>2</sub> & CH <sub>4</sub> )	\$180
<b>Landfill Gas Analyzer with Pressure Sensors</b>	\$300
<b>Landfill Gas Meter with Pressure Sensors and H<sub>2</sub>S Sensor</b>	\$300
<b>Indoor Air Quality Analyzer Calibration:</b> Temp, Humidity, CO and CO <sub>2</sub>	\$350
<b>Mercury Calibration</b>	\$400
<b>Hydrogen Sulfide</b> - ppb levels	\$450
<b>Formaldehyde Calibration</b>	\$300
<b>Ozone Calibration</b>	\$350
<b>Thermo Miran Sapphire</b> - Calibration Verification	\$700
Portable Gas Meter Service Includes: Full Instrument Diagnoses and maintenance service, pump, lamp and detector cleaning, sensor, battery and filter replacement if necessary. Tested to manufacturer's specification. Parts and additional labor are extra. Calibration includes: Calibration to NIST traceable standard whenever possible and documentation.	
<b>Fixed Gas Monitoring Systems and PLC's</b>	
<b>Fixed Systems Toxic and/or Combustibles:</b>	<b>Call</b>
MSA, Thermo -Gastech, Honeywell - BW, Sensidyne, Marcurco, Scott & RKI	
<b>Aerosol/Dust &amp; Fit Tester</b>	
<b>Fit Test Meter Calibration: 8020/8030/8038</b>	\$600
MSA, Thermo -Gastech, Honeywell - BW, Sensidyne, Marcurco, Scott & RKI Calibration Service Includes: Pump and switch valve cleaning, pump flow and vacuum checks, internal tube cleaning or replacement, multiple fit test calibration points and computer connectivity check. Calibration document is provided.	
<b>Aerosol/Dust Calibration: Thermo pDR-1000/pDR-1200</b> (call for other models)	\$475
<b>Thermo DR-2000 or DR-4000</b>	\$475
Calibration Service Includes: Chamber and optics cleaning, pump cleaning if applicable, filter replacement, test two or more span points and power supply check. Calibration document is provided.	
<b>Heat Stress:</b>	
<b>Quest, Reuter Strokes</b>	\$215
Calibration Service Includes: Calibrate separately the meter and sensor block using resistance standards. Verify user check standard if applicable.	
<b>Noise &amp; Sound:</b>	
<b>Sound Calibrators</b>	\$100
<b>Sound Level Meters Type 2</b>	\$225
<b>Noise Dosimeters</b>	\$205
Calibration Service Includes: Calibrate meter against four different frequencies and decibel levels. Check linearity at 1 KHz and check high and low scales at 90 dB. Calibration Service Includes: Calibrate decibel level, verify frequency and adjust voltage output if applicable.	

## SAFETY - INDUSTRIAL HYGIENE - ENVIRONMENTAL

<b>Sample Pumps</b>	<b>Service &amp; Calibration</b>
<b>Sample Pump Service &amp; Test:</b> - SKC/Gilian/MSA/Ametek/Sensidyne	\$175
Service includes: Check overall performance, replace filters, test that back pressure meets specification, clean diaphragm, valve plates, O-rings if necessary. Run the battery test. Service Includes certifying document.	
<b>Air Flow Calibrators</b>	
<b>Air Flow Calibration:</b> Bios / Gilian / Buck / MSA	\$200 includes new battery
<b>Rotameters</b> - Secondary Standards	\$55
Calibration includes: Check up to six points on a primary standard device. Service Includes internal cleaning if needed, new battery and installation. Four point check on a rotometer. Service includes certifying document.	
<b>Air Velocity</b>	
<b>Air Velocity Calibration:</b> Thermal Anemometer (air velocity)	\$200
<b>Anemometer with Temperature &amp; Humidity</b>	\$275
<b>Pressure Calibration:</b> Manometer - Liquid or Electronic (0-30psi)	\$75
Calibration includes: Three point temperature calibration. Up to six velocity points are tested. Service includes certifying document.	
<b>Portable Combustion / Emissions</b>	
<b>Combustion Analyzers Service &amp; Calibration:</b> O <sub>2</sub> , CO and Temperature	\$175
<b>Emission Analyzers:</b> Testo 350/350XL O <sub>2</sub> , CO, NO, NO <sub>2</sub> , SO <sub>2</sub> and CxHy	\$600
Bacharach ECA-450 O <sub>2</sub> , CO, NO Service Includes: Temperature calibration, pressure and gas sensor(s). Pumps, filters... Check for probe bias.	
<b>CEM</b>	
<b>CEM Repairs:</b> Heated FID's JUMS, Thermo, VIG, Beckman, CAI	\$120/hour
NOX SO <sub>2</sub> CO <sub>2</sub> O <sub>2</sub> Thermo, CAI, Horiba, Eco Physics, API, Ametek, Servomex	
<b>CEM Interference Test:</b> 40CFR Part 60 Methods 3A, 6C, 7E, and 10	\$300 and up
<b>Calibration of Dilution Calibrators:</b> Environics Horiba Thermo	\$330/MFC
Service includes NIST traceable certifying document where applicable.	
<b>Wet Method Emissions</b>	
<b>Service &amp; Calibration:</b> Meter Consoles Apex, Nutech, Napp, CAE, Millenium	\$350
<b>Pitot Verification:</b> Type S pitot tubes	\$35
<b>Nozzle Verification:</b> Stainless or glass	\$35
<b>Orifice Calibration</b>	\$75
Service Includes: Five or 3 point calibration of the gas meter and orifice. Temperature meter and controllers are also verified. Service includes certifying document.	
<b>Water Quality</b>	
<b>pH &amp; Conductivity Service &amp; Calibration</b>	\$80
<b>3+ Sensors</b>	\$160
<b>Turbidity Meters</b>	\$130
<b>Colorimeter</b>	\$80
<b>Water Temperature Verification</b>	\$40
<b>WLM/IFM Tape Calibration</b> NIST traceable	\$65
<b>Ground Water Pumps</b>	
<b>Pump Evaluation</b>	\$75
<b>Grundfos / Proactive Pump Rewire</b>	\$175
<b>Proactive Pump Rewire</b>	\$225
<b>Grundfos Redi-Flo2 Service</b> – including Teflon wear parts	\$190
<b>Waste Water Pumps</b>	
<b>Isco's, American Sigma &amp; Global Water pump repair</b>	\$75/hour + Parts
<b>Waste Water Flow Meters</b>	
<b>Two point velocity test</b> where applicable, <b>Pressure or level test</b> where applicable.	\$400
<b>Weather Stations:</b> Met One, Vaisala, RM Young, Campbell	
<b>Temperature Wind Direction Wind Speed Barometric Pressure Humidity</b>	<b>Call</b>
<b>Pressure Calibration: Back Flow Meter Test kits</b>	\$90
We test the pressures at 0, 1, 2, 3, 5, 8 and 11 PSID. NIST traceable calibration document is provided.	

# REPAIR SERVICES

Authorized warranty repair center for :



Factory trained and service provided for:



Other brands that we work on: Thermo, TSI, JUM, Sensidyne Gilian, Arizona Instruments, In-Situ, BW Honeywell, Quest, Cassella, Oakton, Hach, ...

Labor Rates: \$75 / hour for portables  
\$120 / hour for CEM & Fixed Systems

## I.E. MONITORING INSTRUMENTS

7410 Worthington-Galena Rd  
Columbus, OH 43085

800-532-7474 or 614-436-4933



## Repair Service Form

CHECK FOR RUSH REPAIR  
\$80 PER INSTRUMENT

Pre-authorization Amount per Instrument \$250 \$500 \$750 \$ \_\_\_\_\_ Other **Please Circle One!**

Bench Fee of \$40 Minimum per instrument is applied to every order. Charges are waived if repair or new sale is approved!

PO# \_\_\_\_\_

Credit Card# \_\_\_\_\_ Exp Date \_\_\_\_\_ CVV2 Code: \_\_\_\_\_

Name on Card \_\_\_\_\_ Signature \_\_\_\_\_

Address for Card \_\_\_\_\_

CONTACT NAME \_\_\_\_\_ EMAIL \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_ FAX \_\_\_\_\_

INSTRUMENT \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_

REASON FOR RETURN: \_\_\_\_\_

INSTRUMENT \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_

REASON FOR RETURN: \_\_\_\_\_