



CleanAir KODIAK



cleanair.com/more/kodiak

Differential Pressure and Temperature Monitor

Measure and monitor differential pressure, temperature, stack gas velocity, and volumetric flow across discrete gas streams simultaneously.



CleanAir KODIAK

Differential Pressure and Temperature Monitor
with Velocity Flow Measurement

Product Overview

Accurate flow measurement demands more than just a pressure transmitter. The KODIAK Differential Pressure & Temperature Monitor is engineered specifically for the demanding environments of stack testing, emissions monitoring, and industrial process verification.

Designed for reliability, maintainability, and operational flexibility:

- ▶ Multi-Bank monitoring capability
- ▶ Automated drift verification
- ▶ Integrated auto purge sequence
- ▶ Front-Access calibration ports
- ▶ Web-Enabled HMI control
- ▶ Industrial PLC reliability

Applications

- EPA Method 2 stack testing
- Multi-Point pitot array monitoring
- Continuous flow monitoring
- Process duct monitoring
- CEMS support systems
- Velocity pressure verification
- Flow validation testing
- Industrial process monitoring
- Environmental compliance testing

Additional Features

- Automatic calibration adjustment
- Data logging with MODBUS
- Rack-Mountable design

**Smart flow monitoring.
Designed for the field.**



With integrated automation, remote access capability, and rugged, industrial construction, the KODIAK simplifies flow monitoring while improving measurement confidence.

**Contact CleanAir
to Rent or Purchase.**

1-800-553-5511
info@cleanair.com



cleanair.com/more/kodiak

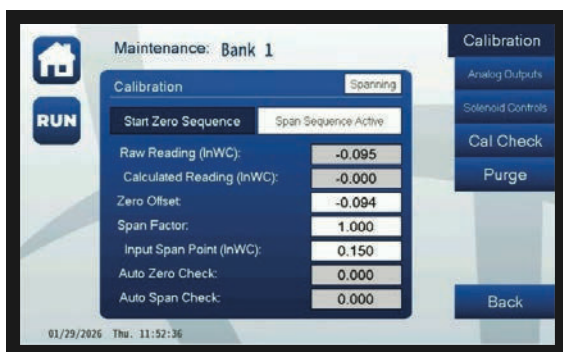


Single-Bank Version Shown.

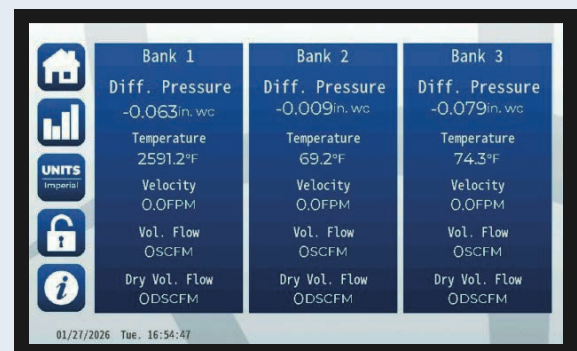
Touchscreen HMI, Web-Enabled for Remote Control



Easy Zero and Span Calibration



Multi-Bank Options, Up to 3 Discrete Channels



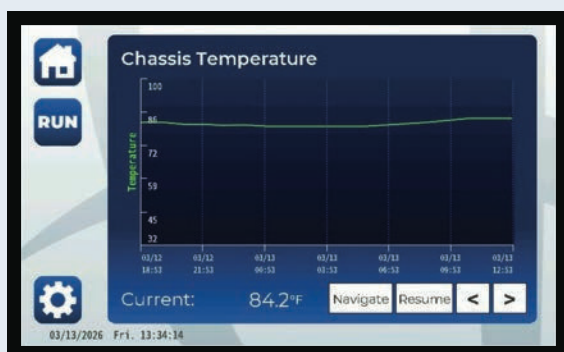
Data Trending



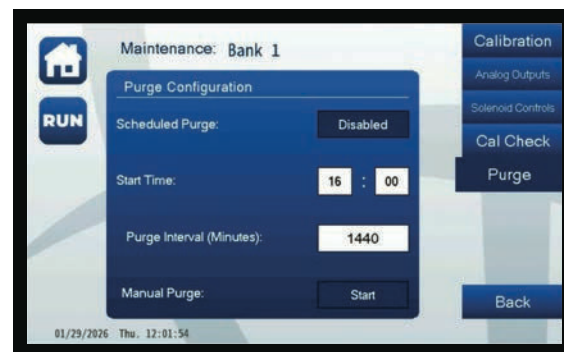
Back View, Single-Bank Version Shown.



Chassis Temperature

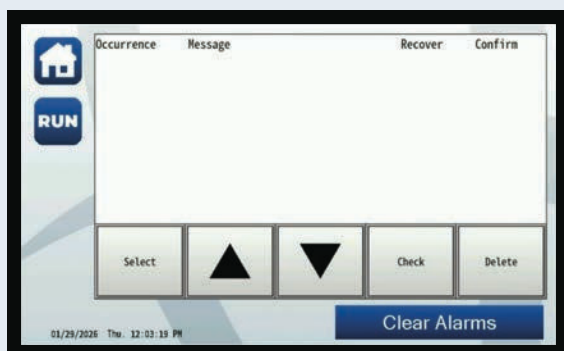


Purge



The Purge Configuration screen for Bank 1 shows settings for the purge system. It includes a 'Scheduled Purge' toggle set to 'Disabled', a 'Start Time' of 16:00, a 'Purge Interval (Minutes)' of 1440, and a 'Manual Purge' button set to 'Start'. The screen also features a 'RUN' button, a 'Maintenance: Bank 1' label, and a 'Back' button. The timestamp at the bottom is 01/29/2026 Thu. 12:01:54.

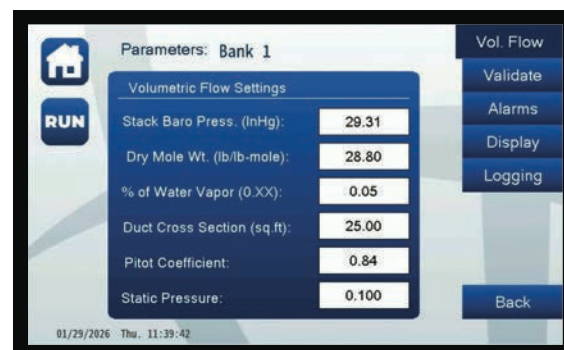
Alarm Logging



The Alarm Logging screen displays a table of alarm occurrences. The table has four columns: Occurrence, Message, Recover, and Confirm. Below the table are buttons for 'Select', 'Check', and 'Delete'. A 'Clear Alarms' button is at the bottom right. The screen includes a 'RUN' button and a timestamp at the bottom: 01/29/2026 Thu. 12:03:19 PM.

Occurrence	Message	Recover	Confirm

Volumetric Flow Rate



The Volumetric Flow Settings screen for Bank 1 displays various flow parameters. It includes a 'Vol. Flow' label, a 'Validate' button, and a 'Logging' button. The parameters and their values are: Stack Baro Press. (InHg): 29.31, Dry Mole Wt. (lb/lb-mole): 28.80, % of Water Vapor (0.XX): 0.05, Duct Cross Section (sq ft): 25.00, Pitot Coefficient: 0.84, and Static Pressure: 0.100. The screen also features a 'RUN' button and a 'Back' button. The timestamp at the bottom is 01/29/2026 Thu. 11:39:42.

Technical Specifications

POWER REQUIREMENTS	120 VAC, 0.65 A, 60 Hz, 78 W		
DIMENSIONS (INCHES)	4U, 19" Rack Mount, 19" (W) x 7.125" (H) x 26.5" (L)		
WEIGHT	Approximately 72 lb. (3-Bank Model)		
OPERATING TEMPERATURE RANGE	-4° F – 140° F		
OPERATING HUMIDITY MAX	95% RH		
DIFFERENTIAL PRESSURE (DP) RANGE	0.000 – 3.000 "WC		
DP TRANSDUCER MAX PRESSURE	50 PSIG		
PRESSURE TRANSDUCER DRIFT (CONTROLLED ENVIRONMENT)			
ZERO 24-HOUR DRIFT	< 0.15% of SPAN		
ZERO 7-DAY DRIFT	< 0.215% of SPAN		
SPAN 24-HOUR DRIFT	< 0.035% of SPAN		
SPAN 7-DAY DRIFT	< 0.031% of SPAN		
INTERNAL CALIBRATION POINT (OPTIONS AVAILABLE)	0.15"WC – 0.5"WC Pressure Switch		
TEMPERATURE INPUT	K-Type Thermocouple		
TEMPERATURE RANGE	32° F – 2,300° F		
TEMPERATURE ACCURACY	+/- 2.0%		
INSTRUMENT AIR REQUIRED	20 PSIG – 90 PSIG		
TUBE COMPRESSION FITTINGS	3/8" (Pitot Lines), 1/4" (Calibration Ports)		
COMMUNICATION	Ethernet LAN		
DATA LOGGING AND STORAGE	.CSV File Type, 8 GB On-Board Storage, Expandable to 32 GB w/ USB		
FILE TRANSFER	FTP Over Ethernet via Third Party Software or via USB-C Port		
DATA LOGGING PARAMETERS	Date/Time	DP (per Bank)	DSCFM
	Temperature	Chassis Temperature	
	Velocity	SCFM	
MEASUREMENT UNITS	Imperial or Metric		
AUTO CALIBRATION DRIFT CHECK	Zero and Span		
AUTO CALIBRATION			
AUTO PURGE			
ANALOG OUTPUTS DP AND TEMPERATURE	0-10VDC or 4-20mA		
DIGITAL COMMUNICATION	MODBUS Over TCP/IP		



Who We Are

World-Class technical support, equipment and instrument servicing... Beyond Measure.

Since 1972, CleanAir Engineering has provided air quality professionals with leading-edge technology, technical expertise, and innovative thinking. We are one of the world's oldest independent environmental monitoring companies, with our roots firmly planted in source testing.

Today, in addition to air and gas measurement equipment rental and sales, CleanAir offers services across the environmental testing spectrum: ambient air monitoring, applied technologies, CEMS integration, lab analysis, source testing, and thermal performance testing.

Our vast equipment resources enable us to exceed expectations, providing clients with the tools they need to collect the defensible data they demand—even for the most challenging applications.

Our **Instrument Rental** and **Express Sales** divisions provide solutions for CEMS, ambient, leak detection, industrial hygiene, and stack testing.

World-Class Technical Service

- Seven Technical Centers Worldwide
- Full Inspections on Every Rental
- Expert Consultation

Best-in-Class Instruments

- Over \$17MM in Inventory
- CEMS Integration and Design
- Unmatched Rental Equipment Quality
- Next-Generation Emission Measurement
- Custom Manufacturing

Unparalleled Assistance

- Technical Training in the Field and In-House
- Data Collection
- Troubleshooting and Live Support
- Timely Exchanges and Flexible Shipping

Calibration and Repair

- Over 50 Years of Experience
- Repair Available for Most Modern Analyzers
- Industry-Leading Service, Guaranteed
- Calibration Gas Rentals



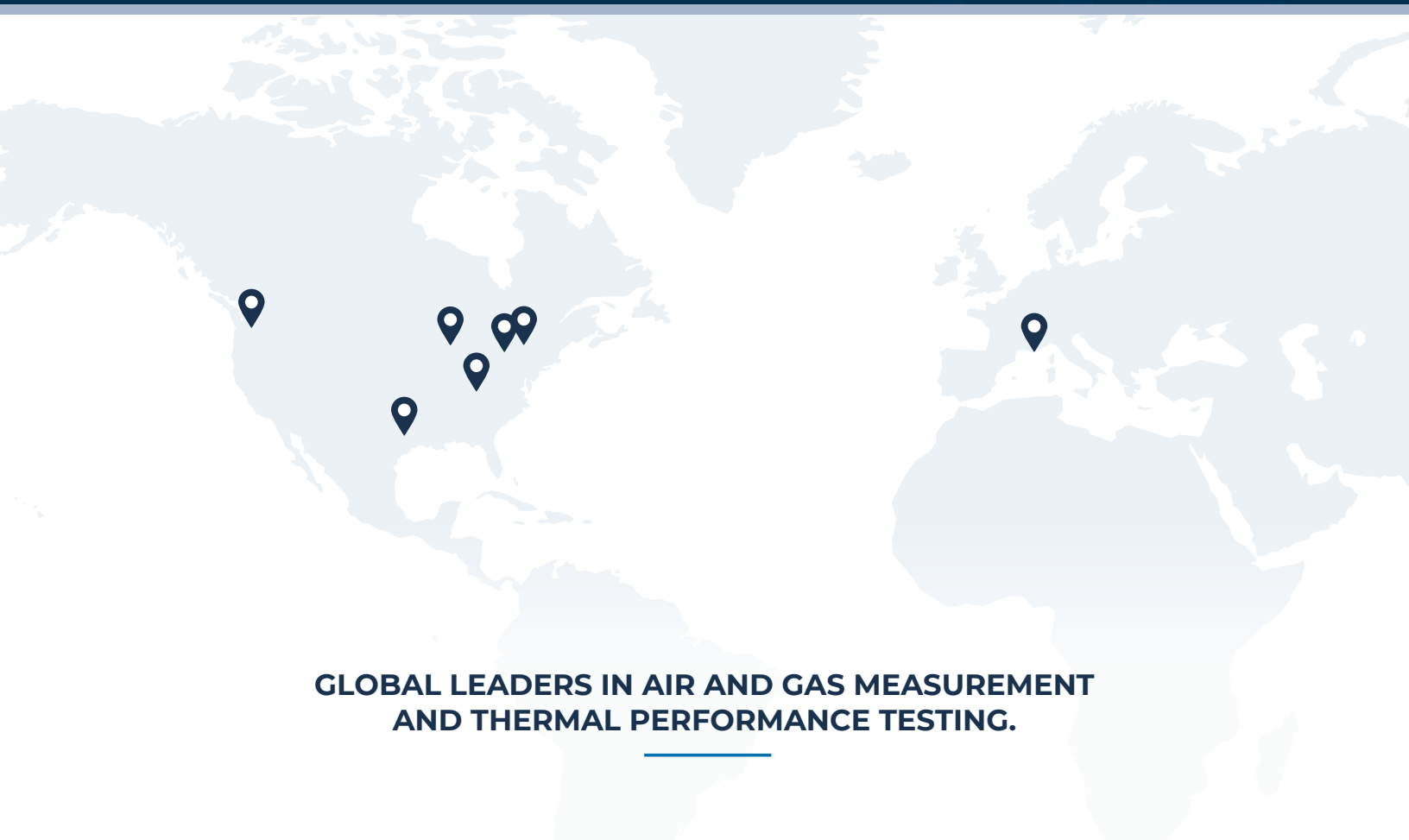
**Custom CEMS and
Monitoring Solutions**



**EPA Reference
Method Sampling**



**Technical Support
and Training**

A light gray world map is centered in the background of the middle section. Seven black location pins are placed on the map: one in the western United States, one in the central United States, one in the northeastern United States, one in the southeastern United States, one in the United Kingdom, and one in France.

**GLOBAL LEADERS IN AIR AND GAS MEASUREMENT
AND THERMAL PERFORMANCE TESTING.**

Chicago

500 West Wood Street
Palatine, IL 60067

Pittsburgh

110 Technology Drive
Pittsburgh, PA 15275

Knoxville

7936 Conner Road
Powell, TN 37849

Marseille

360, avenue de la Rasclave
Z.1. Braye de Cau
13821 La Penne-Sur-Huveaune
France

Houston

321 Century Plaza
Suite 110
Houston, TX 77073

Seattle

13720 24th Street East
Units 102 and 109
Building E
Sumner, WA 98390

Montoursville

243 Grey Fox Drive
Montoursville, PA 17754