

The Home of
JEROME®

APPLICATIONS

HAZMAT

Industrial Hygiene
Municipalities
Consultants
Petroleum
HSE Cleanup

CERTIFICATIONS

UL and CE
ISO 9001:2008

MADE IN THE USA



ARIZONA INSTRUMENT LLC
3375 N Delaware St | Chandler, AZ
www.azic.com



JEROME® 431 Gold Film Mercury Vapor Analyzer

The Jerome® 431 mercury vapor analyzer uses a patented gold film sensor for accurate detection and measurement of toxic mercury concerns for applications such as industrial hygiene monitoring, mercury spill clean up and mercury exclusion testing. Simple, push-button operation allows users to measure mercury levels from 0.003 to 0.999 mg/m³ in just seconds.

FEATURES

- Meets EPA & ATSDR Cleanup Levels
- Rugged design | Easy to operate
- Inherently Stable Gold Film Sensor
- Pressure Sensitive Membrane Switch Operation
- Accurate Analysis of Mercury Vapor in Seconds
- Rechargeable Internal Battery Pack for Portability
- Wide Detection Range Allows for Multiple Applications
- Automatic LCD Backlight During Low Light Conditions
- Survey Mode for Rapid Source Detection of Mercury Vapor Concentrations
- Microprocessor Ensures a Linear Response Throughout the Entire Range of the Sensor
- Optional Data Logging | Optional Software
- Optional Functional Test Kit (FTK) Verifies Instrument Functions Correctly Between Recommended Annual Factory Calibrations

SPECIFICATIONS

Resolution	0.001 mg/m ³
Detection Range	0.003 mg/m ³ - 0.999 mg/m ³
Data Storage Capacity	With optional data logger: 1,000 data points
Operating Environment	0-40°C non-condensing, non-explosive
Accuracy	0.100 mg/m ³ ±5%
Typical Response Time	SURVEY MODE: 3 seconds SAMPLE MODE: 12 seconds
Flow Rate	750 ± 50 cc/min (0.75 ± 0.05 liters/min)
Power Requirements	100-120 VAC, 50/60 Hz, 1 A, or 220-240 VAC, 50/60 Hz, 1 A

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Rentals Available
24 Hour Customer Support

Sales Representatives
800.528.7411 | 602.470.1414
sales@azic.com

Extended Warranties and Parts
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Internal Battery Pack	Rechargeable nickel cadmium
Dimensions	Standard: 13" L x 6" W x 4" H XE Model: 14" L x 7" W x 7" H
Weight	Standard: 7 lbs. XE Model: 8 lbs.
Output	RS-232 Serial, Baud Rate 1200 for use with data logger, and/or Jerome® Communication Program 20 mA Digital Current Output
WITH OPTION BOARD	Analog output: 0 - 2 V or 4 - 20 mA Auto sample interval: 5, 15, 30 or 60 minutes Auto regeneration interval: 6, 12 or 24 hours
Warranty	1 year, factory parts and labor

ACCESSORIES

1400 0052	Jerome Field Carrying Case
1400 2002	Probe
6100 0010	Jerome Data Logger
990-0193	Ammonia Filter
990-0225	10:1 Dilution Module
Y411 0904	Jerome Hard Carrying Case Assembly
Y431 0902	Mercury Functional Test Kit w/Mercury
Y431 0903	Jerome Mercury Maintenance Kit
Y990-0168	Jerome Communication Software (Windows)
Y990-0169	Jerome Communication Software Data Logger Kit (Windows)
Y990-0191	Mercury Functional Test Kit w/o Mercury
Z2600 3940	Chlorine Filter

PARTS

2600 3039	Fritware
Z2600 3905	Zero Air Filter
Z2600 3928	C/M Filter
Z2600 3930	Scrubber Filter Assembly
Z4000 0907	Battery Pack Assembly