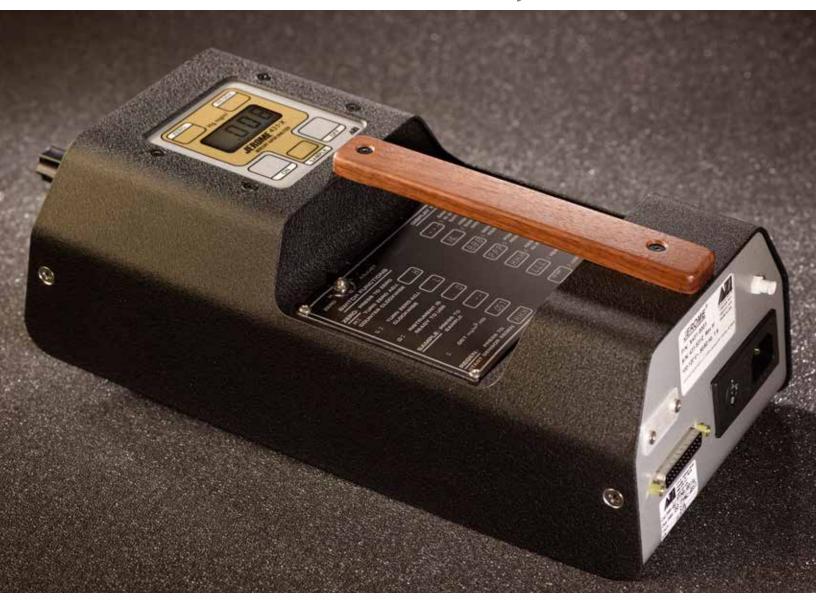
431—XMercury Vapor Analyzer



TIME-TESTED GOLD FILM MERCURY VAPOR ANALYSIS

Durable, dependable and easy to use—the Jerome® 431-X mercury vapor analyzer utilizes our industry-proven gold film sensor technology to detect low levels of mercury vapor. With just the touch of a button, the 431-X can detect mercury in air from 0.003 mg/m³ to 0.999 mg/m³ in seconds. It is built tough for use in the field or in the lab and is ideal for industrial hygiene monitoring, mining, regulatory compliance, emergency response and more.



431-X Mercury Vapor Analyzer



Mercury vapor analysis for a wide range of applications

FEATURES

LOW-LEVEL DETECTION: The Jerome® 431-X can detect mercury vapor in air from 0.003 mg/m3 to 0.999 mg/m3, making it ideal for industrial hygiene monitoring, mercury spill detection and cleanup, mercury exclusion testing and more.

GOLD FILM SENSOR: Validated in the field and in the lab for over 35 years, our proprietary gold film sensor ensures repeatable results across a wide range of applications.

RUGGED CONSTRUCTION: Housed in a sturdy metal case, the 431-X is built to withstand rough operating conditions and deliver accurate results whether it is in the field or in the lab.

EASY TO USE: The guick reference guide beneath the handle helps simplify day-to-day use and the easy to read display screen is equipped with an automatic backlight that activates in low-light situations.

REGULATORY COMPLIANCE: The 431-X meets and exceeds OSHA. NIOSH. ACGIH and MSHA action levels and is in active use by many environmental agencies, industrial hygienists, miners and first response teams across the world.

SURVEY MODE: The 431-X features a survey mode that allows the user to continuously draw in samples of air in order to sweep an area for mercury vapor hot spots and enable corrective action to be taken.

OPTIONAL DATA LOGGING: When equipped with data logging capabilities, the 431-X can store data for up to 1,000 samples, including date and time.

OPTIONAL AUTOSAMPLE MODE: The 431-X offers an optional autosample mode that can be programmed to take a sample at various intervals between 1 and 60 minutes.

FIELD REGENERATION: Sensor regeneration for the 431-X can be performed in the field using the optional Power Inverter Kit, allowing for extended on-location testing.

APPLICATIONS

Ambient Air Analysis HAZMAT / Emergency Response

Industrial Hygiene & Worker Safety

Gold Mining

Regulatory Compliance: Detection & Cleanup Scrubber Efficiency Monitoring Mercury Exclusion Testing Light Bulbs & Mercury Switches Equipment Monitoring

SPECIFICATIONS

Detection Range	0.003 mg/m³ to 0.999 mg/m³
Resolution	0.001 mg/m ³
Accuracy	±5% at 0.100 mg/m³
Response Time	Sample Mode: 12 seconds Survey Mode: 3 seconds
Flow Rate	750 ± 50 mL/min
Result Units	mg/m³
Optional Integrated Data Storage	1,000 test results; retains date and time
Optional Autosample Mode	Intervals between 1 and 60 minutes
Display	Backlit LCD
Battery	Rechargeable NiCad 6 hour life, charges in 14 hours
Power Requirements	100-120 VAC, 50/60 Hz, 1A or 220-240 VAC, 50/60 Hz, 1A
Fuse	F1A 250V, 5 mm x 20 mm
Operating Environment	0°C to 40°C, non-condensing, non-explosive
Output	RS-232 Serial Port Analog: 4-20 mA passive current loop
Dimensions	Standard: 13" L x 6" W x 4" H (33 cm L x 15 cm W x 10 cm H)
	XE: 14" L x 7" W x 7" H (35 cm L x 18 cm W x 18 cm H)
Weight	Standard: 7 lbs. (3.18 kg)
	XE: 8 lbs. (3.5 kg)
Warranty	1 year, factory parts and labor
Certifications	CE (220-240 VAC, 431-XE model only)



An ISO 9001-2015 Registered Company

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