

# JEROME® 505 Atomic Fluorescence Spectroscopy Mercury Vapor Analyzer

The NEW! Jerome® J505 Mercury Vapor Analyzer is a portable fluorescence spectroscopy analyzer, which allows the detection cell to be simpler, smaller, lighter weight and more durable than competing spectroscopy instruments. The highly efficient optical cell requires less flow to purge the system, allowing the J505 to run at a lower flow rate minimizing sample dilution as found in competing spectroscopy instruments.

## Specifications

<b>Resolution</b>	0.01 µg/m <sup>3</sup> (10ng/m <sup>3</sup> ) in standard test mode
<b>Detection Range</b>	0.05 to 500 µg/m <sup>3</sup>
<b>Data Storage</b>	Up to 10,000 test results, 100 test locations
<b>Operating Environment</b>	5 to 45°C, non-condensing, non-explosive
<b>Accuracy</b>	0.3 µg/m <sup>3</sup> ±15% 1 µg/m <sup>3</sup> ±10% 25 µg/m <sup>3</sup> ±10% 100 µg/m <sup>3</sup> ±10%
<b>Typical Response Time</b>	Search 8 sec. first reading; continuous 1 sec. updates Quick 16 sec. Standard 28 sec.
<b>Flow Rate</b>	1 liter/minute
<b>Power Requirements</b>	12VDC power adapter runs on 100-240VAC, 0.8A
<b>Internal Battery Pack</b>	Rechargeable nickel metal hydride (NiMH) with 10+ hours of operation   Battery charges in 3 hours or less
<b>Dimensions</b>	12" L x 6.2" W x 8.4" H
<b>Weight</b>	6.5 lb
<b>Output</b>	USB flash drive
<b>Warranty</b>	1 year, factory parts and labor



## Accessories

990-0230	USB Keyboard
990-0244	AC Adapter Power Supply (supply/charger)
990-0246	Soft Handle Grip
990-0247	Soft Carrying Case
Y990-0234	Mercury Spill Kit

## Parts

345-0241	Intake Fritware (pack of 5)
1400 2002	Probe
Z2600 3905	Zero Air Filter

### Reading Office

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## Applications:

Ambient Air Analysis  
Clean Up Compliance  
Detection Compliance  
Disposal & Recycling  
Exhaust Duct Monitoring  
Facility Monitoring  
Fluorescent Lamps  
Gold Mining  
Hazardous Waste Sites  
HAZMAT  
Landfill Monitoring  
Leak Detection  
Mercury Exclusion Testing  
Mercury Spill Response  
Monitoring: light bulbs,  
mercury switches equipment  
Plant Environment  
Quality Control  
Scrubber Efficiency Testing  
Source Surveys  
Worker Safety

## Features:

- Meets EPA & ATSDR Cleanup Levels
- Flexible Data Handling
- Choice of Two Independently Adjustable High Limit Alarms
- Programmable Auto Sampling Mode
- Choice of 3 Units of Measurement (nanograms, micrograms, milligrams)
- Color Display with Easy to Use Menu System
- Battery Operation for 10+ Hours | Battery Charges in 3 Hours or Less
- A USB Keyboard can be used for Easy Entry of Locations (optional)
- Integrated Data Logging Saves all Test Results (excludes search mode)

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