

# Jerome 405 Mercury Vapour Analyser

The new Jerome® J405 portable mercury vapour monitor is redefining the portable mercury vapour analyzer market. Significant performance enhancements and modern communications capabilities have been combined to create a new option for mercury spill detection and clean-up analysis. Like its 411 & 431X predecessors, the J405 utilises the industry-proven, inherently stable and reliable gold film sensor technology and simple, one-button operation. The ergonomically-designed handle, lighter exterior case and significantly lower detection capabilities (0.5 µg/m<sup>3</sup>) have re-set the bar for portable and easy, low-level mercury detection instrumentation.

The larger display, on-board data logging, auto zeroing, and battery-powered sensor regeneration will simplify operation and maintenance in the field. Menu-driven programming, USB data communications and SCADA compatibility via 4-20 ma output further enhance data retrieval, storage and reporting.

## Specifications

<b>Resolution</b>	0.013 µg/m <sup>3</sup>
<b>Detection Range</b>	0.5-999 µg/m <sup>3</sup>
<b>Precision</b>	15% RSD @ 1µg/m <sup>3</sup>
<b>Accuracy</b>	±10% @ 1 µg/m <sup>3</sup>
<b>Response Time</b>	12 seconds
<b>Flow Rate</b>	750 cc/min
<b>Environmental Range</b>	0-40°C, non-condensing, non-explosive
<b>Interface</b>	USB host, USB slave
<b>Dimensions</b>	11" L x 6" W x 6.5" H / 28 cm L x 16 cm W x 17 cm H
<b>Weight</b>	5 lbs/ 2.5 kg
<b>Internal Battery Pack</b>	Rechargeable nickel metal hydride
<b>Power Requirements</b>	12V DC/Power Adapter
<b>Warranty</b>	1 year
<b>Marks</b>	UL, CE



## Optional Equipment:

- Car Adapter
- External Battery Pack
- Maintenance Kit
- Functional Test Kit

## Applications:

- Mercury Spill Response & Cleanup
- Facility Monitoring
- Hazardous Waste Sites
- Worker Safety
- Landfill Monitoring
- Mercury Exclusion Testing
- Source Surveys
- Fluorescent Lamps Disposal & Recycling
- Exhaust Duct Monitoring

## Features:

- Detection limit down to 0.5 µg/m<sup>3</sup>
- Meets EPA & ATSDR cleanup level protocols
- Longer sensor life
- Battery powered sensor regeneration
- On-board data logging (20,000 data points)
- Auto time/date stamp
- USB data output
- SCADA interface capabilities via 4-20ma

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