

Industries

Landfills

Odor Control

Plant/Perimeter Monitoring

Wastewater Treatment Plants

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24 Hour Emergency
Customer Support

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Jerome® J605 Hydrogen Sulfide Analyzer

This next-generation of the renowned Jerome® family of vapor analyzers maintains all the features, reliability and simplicity that have established Jerome® as an industry leader in the hydrogen sulfide and mercury vapor gas detection markets for more than 20 years. Significant performance enhancements and new features now provide a new alternative for industrial hygienists and consultants to detect, measure and report levels of hydrogen sulfide vapor for environmental, industrial and waste water treatment measurements.

The J605 has an accuracy of ± 1 ppb at the calibration of 5 ppb - fulfilling the needs of the tightest of EPA requirements for hydrogen sulfide testing. The enhanced J605 has an incredible resolution of 20ppt and detects hydrogen sulfide vapor levels as low as 3 ppb with confidence. The J605 is housed in a lighter and more ergonomically designed case, setting a new precedence for low-level, portable monitors. The industry-proven, gold film sensor has been upgraded and improved, resulting in longer life expectancies. The larger display, onboard data logging, auto zeroing, and battery-powered sensor regeneration will make it easier to use and maintain the instrument in the field. Communication options and data acquisition have become more simplified with USB communication, SCADA compatibility via 4-20mA output, and menu-driven programming options.



- **No PC Software Required**
- **20,000 Data Points**
- **Stores Date, Time and Locations**
- **On-Board Data Logging**
- **Optional USB interface for data transfer and printing capabilities**
- **18 Hour Battery Life**
- **Battery Powered Sensor Regeneration**
- **Detects H₂S levels as low as 3 ppb**
- **Fulfills EPA requirements**



ARIZONA INSTRUMENT LLC

3375 N. Delaware Street, Chandler, AZ 85225 • (602) 470-1414 • (800) 528-7411 • www.azic.com

Exclusive Manufacturer of Computrac® Moisture Analyzers and Jerome® Toxic Gas Analyzers

Jerome® J605

Hydrogen Sulfide Analyzer



Features:

- Rugged and easy to operate
- Battery powered sensor regeneration (requires external battery pack)
- Auto date/time stamp
- On board data logging 20,000 samples
- Inherently stable gold film sensor
- Pressure sensitive membrane switch operation
- 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 hydrogen sulfide concentrations
- Microprocessor ensures a linear response throughout the entire range of the sensor
- 4-20 mA output for SCADA systems

Specifications:

Resolution	20 ppt in Range 0
Detection Range	3 ppb -10 ppm
Accuracy/Precision	Range 0: ± 1 ppb at 5 ppb/10%RSD Range 0: ± 3 ppb at 50 ppb/5%RSD Range 1: ± 0.03 ppm at 0.5 ppm /5%RSD Range 2: ± 0.3 ppm at 5.0 ppm/5%RSD
Response Time	Manual Range Selection Range 2 (1.0 to 10.0 ppm) 12 seconds Range 1 (0.10 to 1.0 ppm) 18 seconds Range 0 (3 to 100 ppb) 12 to 27 seconds Auto Range Mode 12 to 52 seconds
Flow Rate	150 ml/min or 0.15 l/min
Power Requirements	12V DC/power adapter
Internal Battery Pack	Rechargeable nickel metal hydride NiMH
Environmental Range	0-40°C, noncondensing, nonexplosive
Interfaces	USB
Dimensions	11L x 6W x 6.5H (inches) / 28L x 16W x 17H (cm)
Weight	5.4 lbs / 2.5 kg
Warranty	1 year, factory parts and labor
Certifications	European Communities (CE) and TUV: UL 61010-1:2004 standard and CSA-C22.2 NO. 61010-1-04

Options:

- Functional Test Module for instrument verification in the field
- Maintenance Kit for routine maintenance and upkeep
- Hard or Soft Field Carrying Cases for versatile handling and additional storage
- Car Adapter, External Battery Pack

Applications:

- Leak Detection
- Quality Control
- Ambient Air Analysis
- Accuracy Check for other Hydrogen Sulfide Monitors and Control Systems
- Applied Research
- Scrubber Efficiency Testing
- Hydrogen Sulfide Source Detection
- Control Room Corrosion Monitoring
- Landfills
- Agricultural Applications
- Regulatory Compliance and Permitting



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