

Arizona Instruments

## Jerome J605 Hydrogen Sulfide Analyzer

Pine Item #51150

### DESCRIPTION:

#### RUGGED, RELIABLE NUISANCE ODOR MONITORING

Portable, easy to use, low-level hydrogen sulfide detection—the Jerome® J605 utilizes our industry-proven gold film sensor technology to detect hydrogen sulfide at levels as low as 3 parts per billion (ppb) with a resolution of 20 parts per trillion (ppt). It is in active use by many regulatory agencies and landfill, water treatment and waste management facilities across the world. Its durable metal housing and 18 hour battery life and mean the J605 is tough enough for nearly any environment and always ready when you need it.

### FEATURES:

- Accurate analysis of hydrogen sulfide concentrations in seconds.
- 3 ½ inch (9 cm) backlit display, showing everything you need to be confident in the instrument, including 5/8 inch (1.6 cm) tall character readout, battery charge indicator, and sensor saturation percentage.
- Microprocessor ensures a linear response throughout the entire range of the sensor.
- Inherently stable gold film sensor.
- Wide detection range allows for multiple applications.
- Survey mode for rapid source detection of hydrogen sulfide concentrations.
- Rechargeable internal battery pack for portability.
- Easy to understand diagnostic and error detection.
- Auto zero bridge adjustment.
- Updated electronics including 24-bit a/d conversion, and on board storage for 20,000 samples.
- Controlled temperature film heat ensures the sensor removes all hydrogen sulfide and returns to its original state.
- The Jerome® J605 can be operated for 18 hours from the internal 12V battery or it can be operated using the external AC power supply/charger.



### APPLICATIONS:

- Regulatory Compliance and Permitting
- Nuisance Odor Monitoring
- Wastewater Treatment
- Landfill Management
- Scrubber/Biofilter Efficiency Testing (outlet)
- Semiconductor Manufacturing
- Control Room Corrosion Monitoring
- Agriculture and Livestock Production
- Geothermal Emissions Monitoring
- Paper Production

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## Product Specifications

<b>Detection Range</b>	3 ppb (0.003 ppm) to 10 ppm
<b>Resolution</b>	20 ppt (0.02 ppb) *range dependent
<b>Accuracy</b>	±1 ppb at 5 ppb ±3 ppb at 50 ppb ±0.03 ppm at 0.5 ppm ±0.3 ppm at 5.0 ppm
<b>Response Time</b>	Survey Mode: 12-27 seconds Manual Mode: 12-27 seconds Auto Mode: 12-53 seconds
<b>Flow Rate</b>	150 mL/min
<b>Result Units</b>	ppm, ppb
<b>Autosample Intervals</b>	1, 2, 5, 10, 15, 30, 45, 60, 90 or 120 minutes
<b>Integrated Data Storage</b>	20,000 test results; retains date, time and up to 80 locations
<b>Display</b>	3.5" (9 cm) backlit LCD
<b>Battery</b>	Rechargeable NiMH 18 hour life, charges in 3 hours
<b>Power Requirements</b>	12 VDC for the instrument; 100-240 VAC, 47-63 Hz, 1.3A for the AC power supply
<b>Fuse</b>	Auto-resetting fuse
<b>Operating Environment</b>	0°C to 40°C, non-condensing, non-explosive
<b>Output</b>	Digital: USB serial data to PC, printer, or USB flash drive Analog: 4-20 mA passive current loop; accurate to 0.3% of output
<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>	5.4 pounds (2.5 kg)
<b>Warranty</b>	1 year, factory parts and labor
<b>Certifications</b>	TUV 61010, CE



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