

# JEROME® J605

HYDROGEN SULFIDE ANALYZER



## RUGGED, RELIABLE NUISANCE ODOR MONITORING

Detect hydrogen sulfide gas ( $H_2S$ ) at concentrations as low as 3 parts per billion (ppb) with a resolution of 20 parts per trillion (ppt). The Jerome® J605 has an extended battery life of 18 hours on a single charge and is equipped with an intuitive, menu-driven interface that makes operation easier and more reliable than ever before. Its durable metal housing and solid state design mean the J605 is tough enough for nearly any environment and always ready when you need it.

**JEROME®**  
by Arizona Instrument LLC

# JEROME® J605

## HYDROGEN SULFIDE ANALYZER



Hydrogen sulfide analysis for a wide range of applications.

### FEATURES

**ULTRA LOW-LEVEL DETECTION:** The Jerome J605 can detect H<sub>2</sub>S in air at levels as low as 3 parts per billion (ppb) with a resolution of 20 parts per trillion (ppt).

**GOLD FILM SENSOR:** The J605 features an inherently stable gold film sensor with an advanced microprocessor that ensures a linear response throughout the entire range of the sensor.

**INTUITIVE INTERFACE:** The J605 offers simple, menu driven operation as well as easy to understand diagnostics and error detection. It does not require PC software and comes with a USB interface for easy data transfer.

**VERSATILE:** The J605 has a wide detection range that makes it useful for multiple applications, including regulatory compliance and odor control at wastewater and landfill facilities, scrubber efficiency testing and monitoring corrosion in control rooms.

**REGULATORY COMPLIANCE:** Validated in the field and in the lab for over 35 years, the J605 is in active use by many regulatory agencies and landfill, water treatment and waste management facilities across the world.

**DATA LOGGING:** The J605 stores data for up to 20,000 samples, including date, time and location.

**SURVEY MODE:** The J605 features a survey mode that allows the user to continuously draw in samples of air to help locate H<sub>2</sub>S hotspots and pinpoint areas that require corrective action.

**DURABLE:** The J605 is housed in a light, ergonomically designed, durable metal casing that sets a new precedent for portable, low-level H<sub>2</sub>S monitors.

**FIELD REGENERATION:** The J605 offers battery powered sensor regeneration that can be performed wherever and whenever you need it, allowing for extended testing in the field.

### 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

### 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>	150ml/min (0.15 liters/min)
<b>Results</b>	ppm, ppb
<b>Integrated Data Storage</b>	20,000 samples; retains date, time and location
<b>Display</b>	3.5" (9 cm) backlit LCD display
<b>Battery</b>	Rechargeable NiMH 18 hour life, charges in 3 hours
<b>Power Requirements</b>	12 VDC for the instrument 100-240VAC, 47-63Hz, 3.2A for the AC power supply/charger
<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: 4-20mA current loop (requires external power source) 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>Certifications</b>	TUV 61010, CE



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