

# J605 Hydrogen Sulfide Analyzer



## 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.

JEROME®

**BROOKFIELD**  
**AMETEK®**

# J605 H<sub>2</sub>S 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:** Validated in the field and in the lab for over 35 years, our proprietary gold film sensor ensures repeatable results across a wide range of applications.

**VERSATILE:** With a detection range of 3 ppb to 10 ppm, the J605 is ideal for a variety of applications, including regulatory compliance and odor control at wastewater and landfill facilities, scrubber efficiency testing and monitoring corrosion in control rooms, among others.

**REGULATORY COMPLIANCE:** The J605 is in active use by many regulatory agencies and landfill, water treatment and waste management facilities across the world.

**DATA LOGGING:** The integrated data logging system of the J605 can store data for up to 20,000 samples, including date, time and up to 80 locations.

**SURVEY MODE:** While in survey mode, the J605 continuously draws in samples of air to help users sweep an area for hydrogen sulfide hot spots and enable corrective action to be taken.

**FIELD REGENERATION:** The J605 boasts a battery life of 18 hours and offers battery powered sensor regeneration that can be performed wherever and whenever you need it, allowing for extended testing in the field.

**RUGGED CONSTRUCTION:** Housed in a light, ergonomically designed, durable metal casing, the J605 sets a new precedent for portable, low-level H<sub>2</sub>S monitors.

**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.

## 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<br>±3 ppb at 50 ppb<br>±0.03 ppm at 0.5 ppm<br>±0.3 ppm at 5.0 ppm  |
| <b>Response Time</b>           | Survey Mode: 12-27 seconds<br>Manual Mode: 12-27 seconds<br>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<br>18 hour life, charges in 3 hours   |
| <b>Power Requirements</b>      | 12 VDC for the instrument;<br>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<br>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<br>(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   |



An ISO 9001-2015 Registered Company

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