(800) 628-8139 or (508) 946-6200
brookfieldengineering.com

Jerome® 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 around 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

ULTRA LOW-LEVEL DETECTION: The Jerome J605 can detect H2S in the 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 around 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 H2S 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.

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Repeatable Reliable Accurate

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Hydrogen Sulfide Analysis for a Wide Range of Applications

Specifications

Detection Range	3 ppb (0.003 ppm) to 10 ppm
Resolution	20 ppt (0.02 ppb) *range dependent
Accuracy	±1 ppb at 5 ppb ±3 ppb at 50 ppb ±0.03 ppm at 0.5 ppm ±0.3 ppm at 5.0 ppm
Response Time	Survey Mode: 12-27 seconds Manual Mode: 12-27 seconds Auto Mode: 12-53 seconds
Flow Rate	150 mL/min
Result Units	ppm, ppb
Autosample Intervals	1, 2, 5, 10, 15, 30, 45, 60, 90 or 120 minutes
Integrated Data Storage	20,000 test results; retains date, time, and up to 80 locations
Display	3.5” (9 cm) backlit LCD
Battery	Rechargeable NiMH 18-hour life, charges in 3 hours
Power Requirements	12 VDC for the instrument; 100-240 VAC, 47-63 Hz, 1.3A for the AC power supply
Fuse	Auto-resetting fuse
Operating Environment	0°C to 40°C, non-condensing, non-explosive
Output	Digital: USB serial data to PC, printer, or USB flash drive Analog: 4-20 mA passive current loop; accurate to 0.3% of output
Dimensions	11” L x 6” W x 6.5” H (28 cm L x 16 cm W x 17 cm H)
Weight	5.4 pounds (2.5 kg)
Warranty	1 year, factory parts and labor
Certifications	TUV 61010, CE

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



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JEROME® 605 Accessories

990-0217 Hard Side Carry Case

Includes molded case with die cut foam rubber inserts to hold the Jerome 605 and accessories. Includes a molded case with die



990-0220 Soft Sided Carrying Case

Includes a shoulder strap for easy carrying and pockets to hold supplies or accessories.



Y605-0903 J605 Maintenance Kit

345-0050	1’ of 1/8” Tygon® clear tubing
345-0244	2.25’ of 1/16” Tygon® clear tubing
345-0257	6” of 1/16” Tygon® Fluran black tubing
2600 3039	Filter, Fritware, 0.25” (3 packs of 20 fritware filters)
Z2600 3905	Filter, Zero Air Filter
600-0279	Filter, LFS Scrubber Filter
Z2600 3930	Filter, Scrubber Filter
600-0281	Filter, LFD Scrubber Filter
2600 3061	Filter, Acrodisc® Filter, 25mm
350-0169	O-Rings (4) for solenoid mounting clips

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