

► Jerome J605

Portable hydrogen sulfide analyzer



Technical specifications

Detection range: 3 ppb (0.003 ppm) to 10 ppm

Resolution: 20 ppt (0.02 ppb) *depending on range

Accuracy:

- ±1 ppb to 5 ppb
- ±3 ppb to 50 ppb
- ±0.03 ppm to 0.5 ppm
- ±0.3 ppm to 5.0 ppm

Response time:

- Surveillance mode: 12-27 seconds
- Manual mode: 12-27 seconds
- Automatic mode: 12-53 seconds

Sampling pump flow rate: 150 ml/min. ± 10 ml/min.

Integrated data storage: 1, 2, 5, 10, 15, 30, 60, 90 or 120 mins.

Data storage: 20,000 test results, retains date, time and up to 80 sampling locations

Display: 3.5" (9cm) backlit LCD screen

Battery: NiMH rechargeable battery, 18-hour runtime, charges in 3 hours

Power supply:

- 12 VDC for instrument;
- 100-240 VAC, 47-63 Hz, 1.3A for AC power supply

Fuse: Self-resetting fuse

Operating conditions: 0 to 40°C (non-condensing)

Output:

- Digital: USB data to PC or printer
- Analog: 4-20 mA passive current loop, 0.3% output accuracy

Dimensions (L x W x H): 28 x 16 x 17 cm - **Weight:** 2.5 kg

Standards: TUV 61010, CE

Product description

The **Jerome J605** is a portable analyzer for hydrogen sulfide (H₂S) in air, using proven gold-film sensor technology. It is capable of measuring concentrations as low as 3 ppb (parts per billion) with a very fine resolution of 20 ppt (parts per trillion), making it particularly suitable for precise monitoring applications, such as wastewater treatment plants, landfills and industrial facilities.

The **Jerome J605's** rugged design enables it to operate in harsh environments, thanks to a durable metal casing and 18-hour battery life, ideal for extended use in the field. It's easy to use, with an intuitive interface and 3.5" backlit display. It requires no external software and enables simple data transfer via a USB port.

The **Jerome J605** portable hydrogen sulfide analyzer features a "Surveillance" mode that enables continuous sampling to locate sources of H₂S in an area, facilitating the identification of hot spots and corrective action. It can record up to 20,000 sample results with precise information on the date, time and location of each measurement, enabling efficient data management.

The device complies with stringent environmental standards and is widely used by regulatory agencies for monitoring low concentrations of hydrogen sulfide, with applications ranging from odor management to biofilter efficiency testing and geothermal emissions monitoring. The gold-film sensor guarantees repeatable, reliable results.

► Applications:

- Odor control
- Regulatory compliance and work authorizations
- Wastewater treatment
- Landfill management
- Effectiveness testing of biofilter scrubbers (output)
- Semiconductor manufacturing
- Corrosion monitoring in control rooms
- Agriculture and livestock breeding
- Geothermal emissions monitoring
- Paper production specifications