

Jerome® X631 Hydrogen Sulfide Analyzer

Time-tested, Gold Film Hydrogen Sulfide Analysis

Durable, dependable, and easy to use – the Jerome® X631 hydrogen sulfide analyzer utilizes our industry-proven gold film sensor technology to detect low levels of H₂S. With just the touch of a button, the X631 can detect hydrogen sulfide in the air from 0.003 to 50 parts per million (ppm) in seconds. It is built tough, for use in the field or in the lab. It is ideal for regulatory compliance and odor-control monitoring as well as scrubber efficiency testing, control room corrosion monitoring, and more.



Features

LOW-LEVEL DETECTION:

The Jerome® X631 can detect H₂S in the air from 0.003 ppm to 50 ppm, making it ideal for regulatory compliance and odor-control monitoring, scrubber efficiency testing, monitoring corrosion in control rooms, and more.

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.

RUGGED CONSTRUCTION: Housed in a sturdy metal case, the X631 is built to withstand rough operating conditions and deliver accurate results, whether it is in the field or in the lab.

EASY TO USE: The quick reference guide beneath the handle helps simplify day-to-day use, and the easy-to-read display screen is equipped with an automatic backlight that activates in low-light situations.

REGULATORY COMPLIANCE:

The X631 is in active use by many regulatory agencies and landfill, water treatment, and waste management facilities around the world.

SURVEY MODE: The X631 features a survey mode that allows the user to continuously draw in samples of air in order to sweep an area for hydrogen sulfide hot spots and enable corrective action to be taken.

OPTIONAL DATA LOGGING: When equipped with data logging capabilities, the X631 can store data for up to 1,000 samples, including date and time.

OPTIONAL AUTOSAMPLE MODE:

The X631 offers an optional autosample mode that can be programmed to take a sample at various intervals between 1 and 60 minutes.

FIELD REGENERATION: Sensor regeneration for the X631 can be performed in the field using the optional Power Inverter Kit, allowing for extended on-location testing.

Jerome® X631 H₂S Analyzer

Hydrogen Sulfide Analysis for a Wide Range of Applications

Specifications

Detection Range	0.003 ppm to 50 ppm
Resolution	0.001 ppm *range dependent
Accuracy	±0.003 ppm at 0.05 ppm ±0.03 ppm at 0.5 ppm ±0.3 ppm at 5 ppm ±2 ppm at 25 ppm
Response Time	Survey Mode: 3-20 seconds Sample Mode: 13-30 seconds
Flow Rate	150 ± 10 mL/min
Result Units	ppm
Optional Integrated Data Storage	1,000 test results; retains date and time
Optional Autosample Mode	Intervals between 1 and 60 minutes
Display	Backlit LCD
Battery	Rechargeable NiCad 6 hour life, charges in 14 hours
Power Requirements	100-120 VAC, 50/60 Hz, 1A or 220-240 VAC, 50/60 Hz, 1A
Fuse	F1A 250 V, 5 mm x 20 mm
Operating Environment	0°C to 40°C, non-condensing, non-explosive
Output	RS-232 Serial Port Analog: 4-20 mA passive current loop
Dimensions	Standard: 13" L x 6" W x 4" H (33 cm L x 15 cm W x 10 cm H) XE: 14" L x 7" W x 7" H (35 cm L x 18 cm W x 18 cm H)
Weight	Standard: 7 lbs. (3.18 kg) XE: 8 lbs. (3.5 kg)
Warranty	1 year, factory parts and labor
Certifications	CE (220-240 VAC, 631-XE model only)

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

