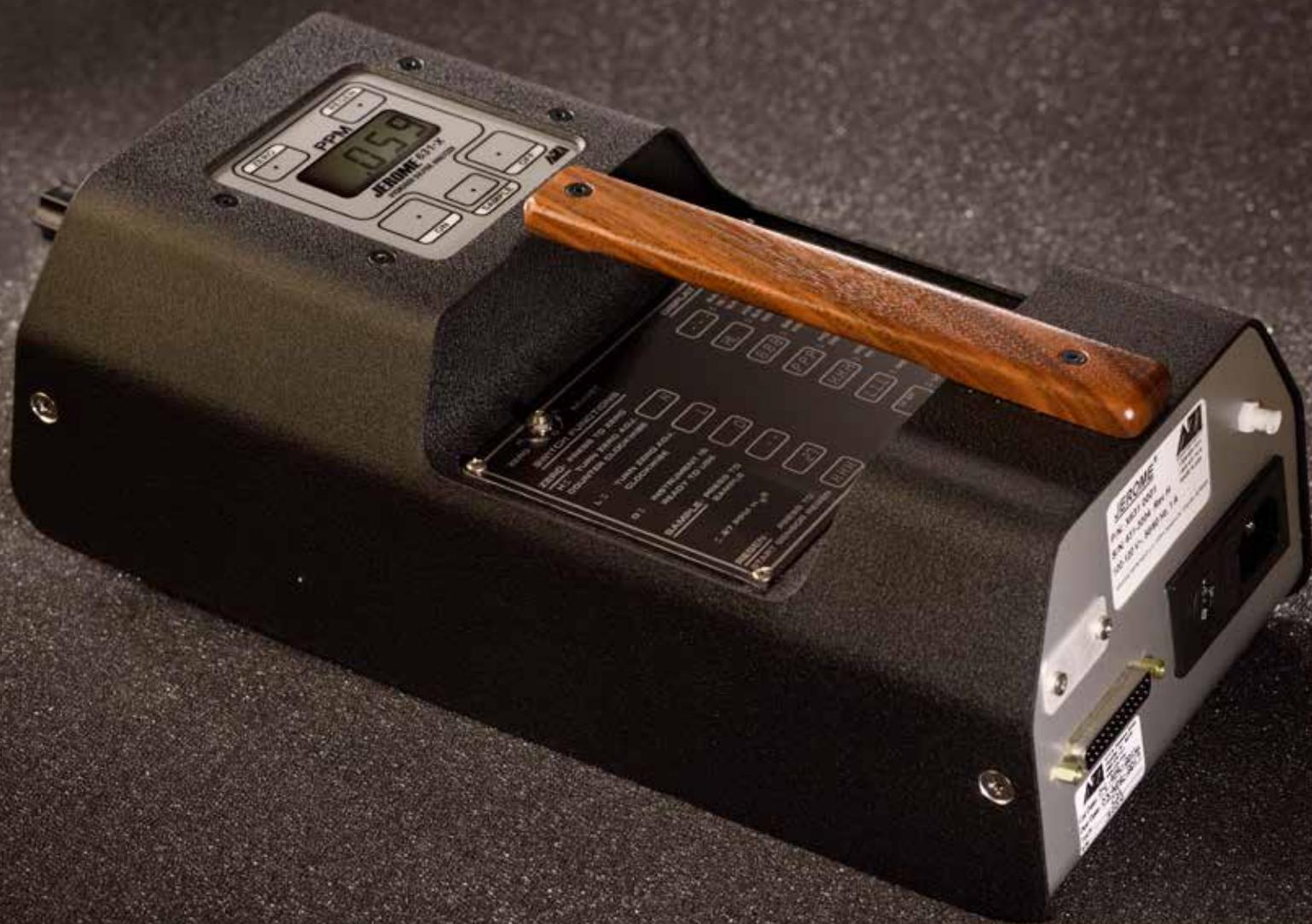


# 631-X Hydrogen Sulfide Analyzer



## TIME-TESTED GOLD FILM HYDROGEN SULFIDE ANALYSIS

Durable, dependable and easy to use—the Jerome® 631-X hydrogen sulfide analyzer utilizes our industry-proven gold film sensor technology to detect low levels of H<sub>2</sub>S. With just the touch of a button, the 631-X can detect hydrogen sulfide in 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 and is ideal for regulatory compliance and odor control monitoring as well as scrubber efficiency testing, control room corrosion monitoring, and more.

JEROME®

**BROOKFIELD**  
**AMETEK®**

# 631-X H<sub>2</sub>S Analyzer



Hydrogen sulfide analysis for a wide range of applications.

## FEATURES

**LOW-LEVEL DETECTION:** The Jerome® 631-X can detect H<sub>2</sub>S in 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 631-X 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 631-X is in active use by many regulatory agencies and landfill, water treatment and waste management facilities across the world.

**SURVEY MODE:** The 631-X 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 631-X can store data for up to 1,000 samples, including date and time.

**OPTIONAL AUTOSAMPLE MODE:** The 631-X 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 631-X can be performed in the field using the optional Power Inverter Kit, allowing for extended on-location testing.

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



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