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**JEROME®**



# JEROME® 631 Gold Film Hydrogen Sulfide Analyzer

## APPLICATIONS

Agricultural Applications  
Ambient Air Analysis  
Applied Research  
Control Room Corrosion  
Monitoring  
Hydrogen Sulfide Source  
Detection  
Landfills  
Leak Detection  
Quality Control  
Regulatory Compliance  
and Permitting  
Scrubber Efficiency Testing

## CERTIFICATIONS

CE  
ISO 9001:2008

MADE IN THE USA

The portable Jerome® 631 Hydrogen Sulfide Analyzer displays low-level concentrations in just seconds. It offers an analysis range of 0.003-50 ppm for odor and corrosion control, safety, and leak detection in such industries as wastewater treatment, oil and gas, pulp and paper, and farming. This simple-to-use instrument utilizes an internal rechargeable battery pack or AC power, and is easily carried to suspected sources of hydrogen sulfide for detection and measurement. Locked in survey mode, the 631-X automatically displays hydrogen sulfide concentrations as quickly as every 3 seconds.

## FEATURES

Meets EPA & ATSDR Cleanup Levels  
Optional Data Logging  
Rugged design | Easy to operate  
Inherently stable gold film sensor  
Pressure sensitive membrane switch operation  
Rechargeable internal battery pack for portability  
Wide detection range allows for multiple applications  
Automatic LCD backlight during low light conditions  
Survey mode for rapid source detection of hydrogen sulfide concentrations  
Microprocessor ensures a linear response throughout the entire range of the sensor  
Functional Test Module (FTM) verifies instrument functions correctly between recommended annual factory calibrations

## SPECIFICATIONS

Resolution	0.001 ppm
Detection Range	3 ppb (0.003 ppm) - 50 ppm in four graduated ranges
Data Storage Capacity	With optional data logger: 1,000 data points
Operating Environment	0-40°C Non-Condensing, Non-Explosive
Accuracy	0.05 ppm ±0.003 ppm (range 0) 0.5 ppm ±0.03 ppm (range 1) 5 ppm ±0.3 ppm (range 2) 25 ppm ±2 ppm (range 3)
Typical Response Time	Dependent on Range and Mode SURVEY MODE: 3-20 seconds SAMPLE MODE: 13-30 seconds



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Flow Rate	150 ± 10 ml/min (0.15 ± liters/min)
Power Requirements	100-120 V~, 50/60 Hz, 1 A or 220-240 V~, 50/60 Hz, 1 A
Internal Battery Pack	Rechargeable nickel cadmium
Dimensions	Standard: 13" L x 6" W x 4" H XE: 14" L x 7" W x 7" H
Weight	Standard: 7 lbs. XE: 8 lbs.
Output	RS-232 Serial, Baud Rate 1200 for use with data logger, and/or Jerome® Communication Program 20 mA Digital Current Output
Warranty	1 year, factory parts and labor

#### ACCESSORIES

1400 0052	Field Carrying Case
6000 1055	Cable Assembly, JCI/JCS Interface
6100 0010	Data Logger
980-0007	Field Carrying Case, CE Models
990-0183	Ammonia Filter for X631 Applications
990-0225	10:1 Dilution Model
Y411 0904	Carrying Case Assembly, Hard Sided
Y990-0168	JCS Software (WINDOWS) Kit
Y990-0169	JCS Data Logger (WINDOWS) Kit
Z2600 0918	Jerome Functional Test Module, 250 ppb, 115V
Z2600 0930	Jerome Functional Test Module, 30 ppb, 115V
Z2600 3940	Chlorine Filter

#### PARTS

4000 1011	External Battery Charger, 115V
4000 1012	External Battery Charger, 230V
Z2600 3905	Zero Air Filter
Z2600 3930	Scrubber Filter
Z4000 0907	Battery Pack Assembly X431/X631

Rentals Available  
24 Hour Customer Support

Sales Representatives  
800.528.7411 | 602.470.1414  
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Extended Warranties and Parts  
800.528.7411 | 602.470.1414  
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