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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

UL and CE
ISO 9001:2008

MADE IN THE USA



ARIZONA INSTRUMENT LLC
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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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