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Jerome® 631-X Hydrogen Sulfide Analyzer

With the push of a single button, the portable Jerome 631-X 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 weighs only 7 pounds, 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.

The Jerome 631-X utilizes a patented gold film sensor. The instrument's selectivity to hydrogen sulfide eliminates interferences from sulfur dioxide, carbon dioxide, carbon monoxide, and water vapors. When the sample button is pressed, an internal pump draws air into the instrument. Any hydrogen sulfide in the sample is absorbed by the sensor which registers a proportional change in electrical resistance. The hydrogen sulfide concentration is displayed on the LCD, where it remains until the next sample is taken.

Additional accessories are available to customize the Jerome 631-X to meet individual application needs. For unattended sampling, the instrument can be programmed by a computer using the Jerome Communication Software (JCS). A data logger plugs into the back of the instrument for data acquisition during portable surveys or unattended sampling without a computer. Recorded data can be downloaded later to a computer using the JCS software for analysis, printout, and permanent record keeping. An available internal option board allows auto-zeroing, DC power operation, timed regeneration, and timed sampling during prolonged, unattended sampling periods. The option board also allows external fresh air solenoid support and 4-20 mA or 0-2 V analog output. Instrument calibration can be verified in the field using the Functional Test Module (FTM). A molded hard carrying case or soft field case give added versatility and organized storage for the instrument and its accessories.



