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h₂O₂ water monitor: uv absorption technology | acniti

The H₂O₂ Water Monitor is a compact UV absorption instrument for continuous hydrogen peroxide measurement from 0 to 8,000 mg/L. With linearity of ±1% FS and drift as low as ±1% FS/month, it delivers reliable, low-maintenance process data. Output options include 4-20 mA, 0-1 V, and 0-10 V, with PTFE fittings for 1/4-inch tubing. Suited for water treatment, food processing, pharmaceutical CIP, and industrial water recycling.

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accurate hydrogen peroxide water monitor - uv absorption

- ✓ Wide measurement range: detects hydrogen peroxide concentrations from 0 to 8,000 mg/L
- ✓ Reliable UV absorption technology for continuous measurements
- ✓ High measurement accuracy: linearity of ±1% FS and repeatability of less than 1% FS
- ✓ Low drift values: span drift of ±1% FS/month and zero drift of ±3% FS/month
- ✓ Supports both pressure feed and pump suction, with PTFE connections for 1/4-inch tubing
- ✓ Provides 4-20 mA and 0-1 V or 0-10 V output signals for easy integration with existing systems
- ✓ Measures 220 × 105 × 150 mm and weighs about 2.2 kg, ideal for confined spaces.
- ✓ Suitable for applications in water treatment, food processing, pharmaceutical industry and more.
- ✓ Easy operation and maintenance, designed for long-term and reliable operation

accurate h₂O₂ measurements for reliable process monitoring

An advanced hydrogen peroxide monitor explicitly developed for accurate measurement of H₂O₂ concentrations in water. Thanks to its integrated UV absorption technology, this compact measurement system provides stable, continuous, and highly reliable data for a variety of applications, including water treatment, food processing, pharmaceuticals, and industrial process control.

why choose acniti's hydrogen peroxide monitor?

A hydrogen peroxide (H₂O₂) sensor provides safety, control, and efficiency in various applications:

- Prevents dangerous concentrations in industrial environments.
- Ensures accurate dosing in manufacturing processes.
- Keeps H₂O₂ levels under control in water treatment.
- Enables precise measurements in laboratories and research.
- Monitors food safety in package disinfection.

With a measurement range of up to 8000 mg/L, this monitor can be used flexibly in both low- and high-concentration environments. Accuracy is high, with a linearity of ±1% full scale (FS) and repeatability of less than 1%—the EJ000 7620 guarantees constant performance, even in long-term operation.

The stable drift values (±1% FS/month for span and ±3% FS/month for zero) ensure that measurement results remain reliable over time, minimizing maintenance.

Features at a glance:

- Wide measurement range: 0 - 8000 mg/L hydrogen peroxide
- Advanced UV absorption technology: For instant and accurate measurement
- High accuracy: Linearity $\pm 1\%$ FS, repeatability $< 1\%$ FS
- Minimal drift: Maintains reliability without frequent recalibration
- Two measurement methods are possible: Pressure feed or pump suction
- Universal connections: PTFE fittings for 1/4-inch tubing
- Easy integration: Output signals 4-20 mA, 0-1 V, or 0-10 V
- Compact size: Only 2.2 kg and 22 × 10.5 × 15 cm in size
- Application-oriented design: Suitable for both permanent setups and mobile units

common applications

- Drinking water treatment
- Disinfection in the food industry
- Process water monitoring in the pharmaceutical industry
- Monitoring of CIP (Clean-In-Place) systems
- Industrial water recycling

Whether you're working with low concentrations of H₂O₂ in drinking water or high levels in industrial processes, Acniti's hydrogen peroxide monitor helps you stay safe, efficient, and compliant with standards.

hpwm: uv absorption h2o2 water monitor 0-8000 mg/l acniti

General

- 1 Model name Accurate Hydrogen Peroxide Water Monitor - UV Absorption
- 2 Model number sensor_hydrogen_peroxide_water_concentration_meter

Liquid

Metric

Imperial

- 3 Strainer availability and size

Gas

Metric

Imperial

- 4 Gas quality

- 5 Gas remark

Connections

- 6 Water inlet

- 7 Water outlet

- 8 Gas inlet

Dimensions & weight

Metric

Imperial

- 9 HS code 9027-9090