Applications:

- University and government lab projects, including ion/particle physics, aerospace, vacuum analysis, isotopic analysis, residual gas analysis, outgassing studies, climatic chambers & glove boxes
- $\text{H}_2$, $\text{He}$, $\text{D}_2$, $\text{H}_2\text{O}$, $\text{O}_2$, $\text{N}_2$, $\text{CO}_2$, Ar, and more
- Glovebox moisture, temperature and dew point sensor validation

Applications:

- Humidity standards and generators, calibration transfer and reference standards, test method validation, and sensor calibration
- ppt - ppb - ppm levels of $\text{O}_2$, $\text{H}_2\text{O}$, $\text{HCl}$, $\text{CH}_4$, $\text{NH}_3$ and more
- Oxygen safety monitoring
Applications:

- TPD, MBMS, pure gas analysis, packaging, TGA (and other thermal processes), laser ablation, plasma studies, outgassing studies, clusters research, reaction monitoring, loading/unloading, inhibitor breakthrough, and purifier development
- \( \text{O}_2, \text{H}_2\text{O}, \text{H}_2, \text{C}1-\text{C}10+ \) hydrocarbons, chlorides, and other compounds

Applications:

- Water influent and effluent discharge control
- Process control, high purity, oil in water, cooling water, condensate return, water-steam cycles, and environmental compliance
- Total Organic Carbon (TOC) in water
**Applications:**

- Fuel cell H₂ purity per the ISO14687/SAE J2719 standards; quality control for Syngas, LNG, H₂ fuel cell technology, and nuclear energy
- ppt - ppb - ppm levels of CO, CO₂, CH₄, NH₃, H₂O, O₂, CH₂O, CH₃O₂, He, Ar, N₂ in H₂, and isotopic analysis
- Oxygen safety monitoring

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**Applications:**

- Measure Sterilant gas concentration in real-time under ambient or vacuum conditions
- Monitor H₂O₂ and H₂O, Ethylene Oxide, NOₓ for cycle development of sterilization chamber, filling isolators and Resistometers
- Optical RH and relative saturation measurements
- Sterilization process control, logging, or troubleshooting
- Independent reference for potential load production release

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**Applications:**

- Real-Time Laboratory Mass Spectrometer for ppb-to-100% Level for Multi-Species Analysis MAX300-LG™
- CRDS Trace Analyzers HALO Max QCL™ and Prismatic 3™
- Chilled Mirror Dew Point Meters and Humidity Generators 373 Model™

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**Applications:**

- Dual Beam Photometer for Real-Time Hydrogen Peroxide Vapor (HPV) Sterilant Gas Monitoring ClearView db® Hydrogen Peroxide Vapor HPV™
- Vapor Probe for H₂O₂ Analyzer System, Suitable for Vacuum and Positive Pressure (up to 2 atm) G-SST™ Vapor Probe
Applications:
- Ambient air analysis, pyrolysis, natural materials, isotopic analysis, greenhouse gas monitoring
- Full composition and trace gas analyzers for atmospheric chemistry and environmental research
- River water, contamination, and wastewater monitoring
- Climatic chamber and glovebox moisture, temperature and dew point sensor validation
- Trace gas analyzers for compounds, including H$_2$O, O$_2$, H$_2$, CH$_4$, NH$_3$, CO, CO$_2$, N$_2$, Ar, He, VOC, HAPs, hydrocarbons, etc.

For a complete range of products, applications, systems, and service options, please contact us at: info@process-insights.com

For a complete list of sales & manufacturing sites, please visit: https://www.process-insights.com/about-us/locations/