

Real-Time and Fixed Point Solutions for Gas and Water Applications

Fermentation Control



Applications:

- Fermenter off-gas composition analysis
- Fast and accurate analysis for control parameters such as Respiratory Quotient (RQ) and fermentation endpoint
- Continuous monitoring to improve yield, quality and reduce waste
- Single species or multi-component analysis (e.g. CO₂, O₂, N₂, Ar, H₂O, CO, H₂, He, hydrocarbons, alcohols, aldehydes, sulfurs, etc.)

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Tigeroptics



MAX300-BIO
Real-Time, Multi-Stream,
Industrial Mass Spectrometer
for Bioreactor Control



MAX300-LG
Benchtop Mass Spectrometer
for Real-Time, Multi-Stream,
Bioreactor Control



Spark CRDS
Single Species Trace Gas Analyzer
for PPB-Level of H₂O, CH₄,
CO and CO₂ Detection

Solvent Drying & Endpoint Determination



Applications:

- Accurate endpoint determination to improve product yield, production efficiency and minimize waste
- Easy configuration for stream switching to multiple chambers
- Optimized sampling for ambient pressures, vacuum drying and lyophilization
- Trace moisture analysis and multi-species analysis of isopropanol, alcohols, methylene chloride, acetone, ethyl acetate, etc.

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Tigeroptics



MAX300-BIO
Real-Time, Multi-Stream, Industrial
Mass Spectrometer for Solvent Drying
and Endpoint Determination



MAX300-LG
Benchtop Mass Spectrometer for
Real-Time, Multi-stream, Solvent
Drying and Endpoint Determination



HALO RP/QRP
CRDS Trace-Level Low-
Pressure Moisture Analyzer
for Lyophilization

Evolved Gas Analysis

Applications:

- Connects to thermal gravimetric analyzers (TGA) for off-gas monitoring
- Quality control in reaction monitoring, natural product analysis and synthesis studies
- Microreactor off-gas and headspace analysis
- Single species or multi-component analysis (e.g. CO₂, O₂, N₂, Ar, H₂O, CO, H₂, He, hydrocarbons, alcohols, aldehydes, sulfurs, etc.)

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MAX300-EGA
Benchtop Mass Spectrometer with Heated Evolved Gas Inlet for Real-Time, Continuous Process Control

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HALO RP/QRP
CRDS Trace-Level Low-Pressure Moisture Analyzer



T-I Max
Ambient Pressure Analyzer for Trace HCl, NH₃, HF, CO and CH₄



Spark CRDS
Trace Gas Analyzer for PPB-Level of H₂O, CH₄, CO and CO₂ Detection

Glove Box Monitoring

Applications:

- Real-time, in situ glove box and incubation monitoring
- Ideal for vessel and climatic chamber monitoring/ and validation
- PPB to 100% H₂O and O₂ (aerobic and anaerobic activity), relative humidity and dew point, temperature and compositional gas analysis

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MAX300-CAT
Benchtop Real-Time PPB-Level to 100% Catalysis, Reaction Monitoring, and Environmental Research



MAX300-LG
Benchtop Mass Spectrometer for Real-Time PPB-Level to 100% Compositional Analysis of Glovebox Gases

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Spark CRDS
Trace Gas Analyzer for PPB-Level Detection of H₂O, CH₄, CO and CO₂ Detection

AO ALPHA OMEGA INSTRUMENTS



Series 3520 | Oxy-Sen
Portable and Fixed Trace to Percent Oxygen Monitors

COSAXENTAUR



XDT | XPDM /LPDT Models
Aluminum Oxide Dew Point Meters with Hyper-Thin-Film Technology

MBW calibration



473-SH2 Model
Chilled Mirror Dew Point Hygrometer with Measuring Head for Temperature and RH Measurements

Facility, Safety and Compliance

Applications:

- Oxygen safety monitoring
- Quality of process gas supplies (CDA, N₂, CO₂, etc.)
- Online and/or remote moisture sensor calibration and control
- PPB to 100% moisture; 0-25% O₂

AQ ALPHA OMEGA
INSTRUMENTS



Series 1300
Oxygen Deficiency Monitors

COSAX XENTAUR



XDT | XPDM /|LPDT Models
Portable/Fixed/Loop-Powered
Aluminum Oxide Dew Point Meters
with Hyper-Thin-Film Technology

MBW calibration



373 Model
Chilled Mirror
Dew Point Hygrometer

Water Analysis

Applications:

- On-line water quality analysis for total organic carbon (TOC), chemical oxygen demand (COD), biological oxygen demand (BOD)
- Water influent and effluent discharge control for environmental compliance
- Water for injection (WFI)
- Monitor return/boiler water quality to prevent system corrosion

LAR THE
TOC
COMPANY



QuickTOCultra
TOC Water Analyzer for Harsh
Wastewater Applications



QuickTOCuvll
TOC Water Analyzer for
Pure Water Applications



QuickTOCpurity
TOC Water Analyzer for
Pure and Process Water
Applications



QuickCODLab
COD-Water Analyzer
for Laboratories

OUR PREMIUM GLOBAL BRANDS

AQ ALPHA OMEGA
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MBW calibration

COSAX XENTAUR

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