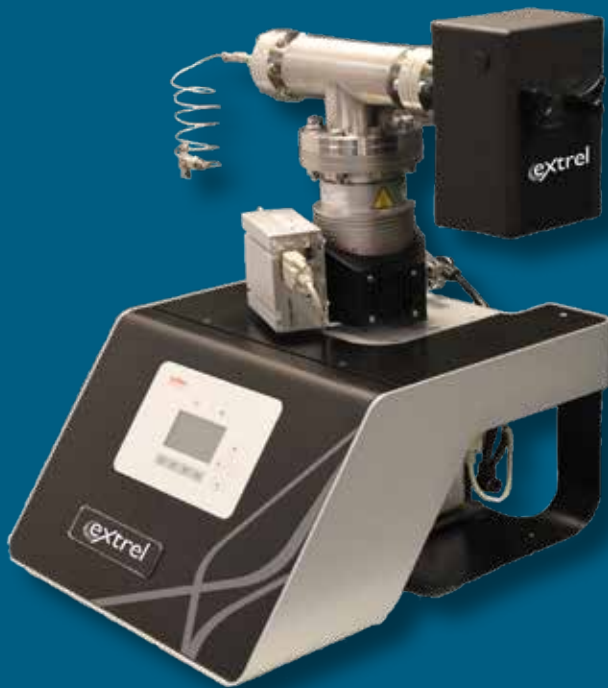


**PRODUCT DATASHEET**

# MAX300-CAT™

Laboratory Gas Analyzer



**Fast Response**

---

**Process Control**

---

**Stable  
Measurement**

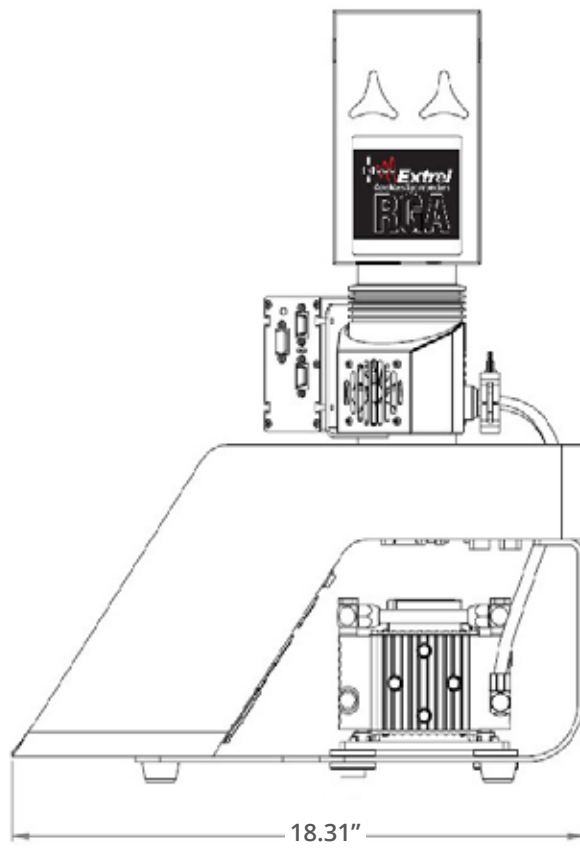
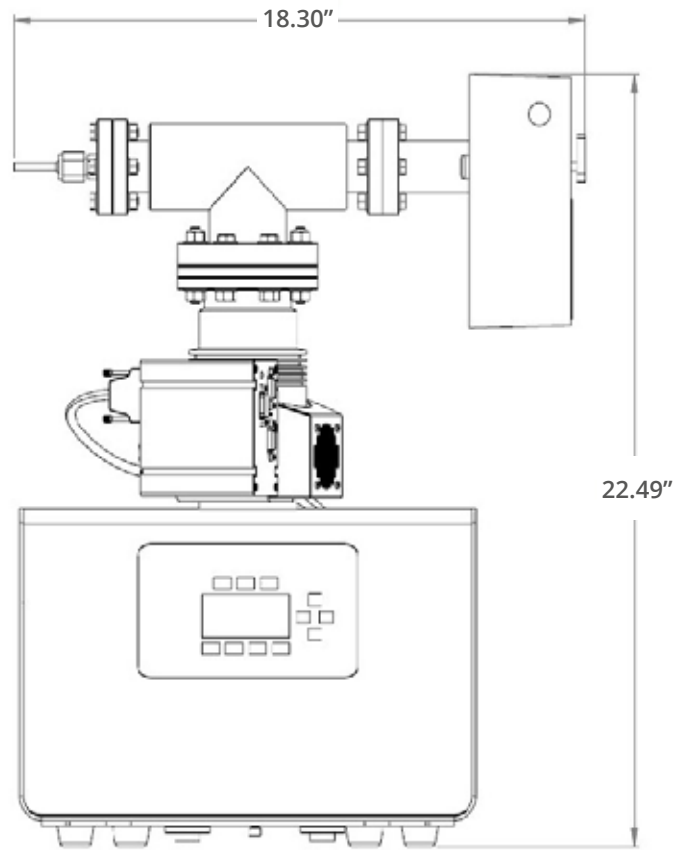
- Real-Time Gas Analysis
- Catalysis
- Reaction Monitoring
- Environmental Research

## SPECIFICATIONS

<b>System Highlights:</b>	
<b>Detectable compounds</b>	Any gas or vapor sample
<b>Detection range</b>	Faraday/electron multiplier - Analysis range: $1 \times 10^{-6}$ - $5 \times 10^{-13}$ Torr (100% - 0.5 ppm)* - Low detection limit: $5 \times 10^{-14}$ Torr (50 ppb)**
<b>Analysis rate</b>	Up to 1000 measurements per second
<b>Gas consumption</b>	10 $\mu$ L/min
<b>Heated inlet option available</b>	
<b>Ionization energy control for reduced fragmentation</b>	
<b>Software</b>	- VacuumPlus control software, standard - Questor5 upgrade, optional
<b>Computer interface</b>	RS-232C or USB
<b>Filaments</b>	Two, one active and one spare - Over-pressure protection provided by built-in Pirani and BA gauges
<b>Mass range options</b>	1-100, 1-300 amu
<b>6 mm quadrupole mass filter</b>	
<b>Weight</b>	55 lbs. (25 kg)
<b>Power supply</b>	110/230 VAC, 50/60 Hz
<b>Dimensions (L x W x H)</b>	465 x 465 x 571 mm
<b>Standard inlet length</b>	50 cm

\* Documented on trace benzene in air.

\*\* Based on the analysis of 1% argon.



## GAIN REAL-TIME INSIGHT INTO YOUR PROCESS

Process Insights manufactures and delivers premium sensors, monitors, detectors, analyzers, instrumentation, and software that are mission-critical to keep your operations, personnel, and the environment safe – every day across the globe.

Get the most reliable, precision analytical technologies available on the market today. We will work to match your needs and budget, and provide the optimal, and most stable process analysis solution for your application.

---

## CENTERS OF EXCELLENCE | PROVIDING PROVEN SOLUTIONS

Process Insights is committed to solving our customers' most complex analytical, process, and measurement challenges everyday.

### Process Insights – The Americas

4140 World Houston Parkway Suite 180, Houston, TX 77032, USA +1 713 947 9591

### Process Insights – EMEA

ATRICOM, Lyoner Strasse 15, 60528 Frankfurt, Germany +49 69 20436910

### Process Insights – APAC

Wujiang Economic and Technology, Development Zone, No. 258 Yi He Road, 215200 Suzhou, Jiangsu Province, China +86 400 086 0106

---

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

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

COSA Xentaur, Tiger Optics, Extrel, Alpha Omega Instruments, ATOM Instrument, MBW Calibration, MGA, Guided Wave, ANALECT and LAR TOC Leader are trademarks of Process Insights, Inc.



REVOLUTIONIZING MEASUREMENT

**EVERYWHERE**