

PRODUCT DATASHEET

MAX300-CAT

Laboratory Gas Analyzer



Fast Response

Process Control

**Stable
Measurement**

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

SPECIFICATIONS

System Highlights

Detectable compounds: Any gas or vapor sample

Detection range: Faraday/electron multiplier
- Analysis range: 1×10^{-6} - 5×10^{-13} Torr (100% - 0.5 ppm)*
- Low detection limit: 5×10^{-14} Torr (50 ppb)**

Analysis rate: Up to 1000 measurements per second

Gas consumption: 10 μ L/min

Heated inlet option available

Ionization energy control for reduced fragmentation

Software: - VacuumPlus control software, standard
- Questor5 upgrade, optional

Computer interface: RS-232C or USB

Filaments: Two, one active and one spare
- Over-pressure protection provided by built-in Pirani and BA gauges

Mass range options: 1-100, 1-300 amu

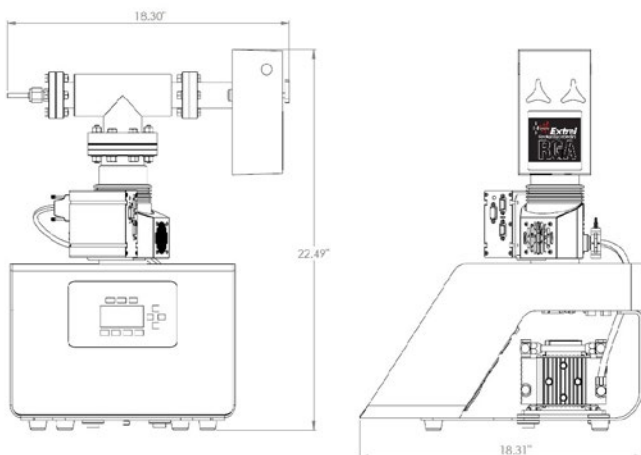
6 mm quadrupole mass filter

Weight: 55 lbs. (25 kg)

Power supply: 110/230 VAC, 50/60 Hz

Dimensions (L x W x H): 465 x 465 x 571 mm

Standard inlet length: 50 cm



* multicomponent analysis, measured at <2 seconds/component.

** Demonstrated on argon isotopes in air.

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