

Analytical Specifications

Detection Limits	SEM: < 100ppb (without peak interference)
Mass Range	1 – 300 u (512 u on request)
Mass Resolution	Unit resolution
Measurement Time	Typical < 1 s for one measurement cycle (process applications with 4 – 6 gas components) 4 ms per channel

Technical Specifications

Number of Channels	Up to 1024 channels per run
Ion Source Configuration	Standard Crossbeam ion source with two yttrium filaments (tungsten on request)
Communication Interfaces	Ethernet to PC, IoT-enabled OPC UA, PROFIBUS, PROFINET, MQTT, others on request
External IO	Optional Various IO options available through external satellite devices (digital/analog IO, thermocouples, etc.)
Dimensions	570 x 250 (800) x 570 mm (w x h x d), approx. 45 kg 23 x 10 (32) x 23 in. (w x h x d), approx. 100 lbs

System Requirements

Gas Quality	Temperature > Dew point Humidity Not condensing Particles < 4 µm particle size
Environmental Conditions (During Operation)	Temperature +15 to +35 °C (59 to 95 °F) Humidity < 75 %, not condensing
Power	230 VAC, 50 Hz, approx. 0.75 kVA (115 VAC, 50/60 Hz on request)
Exhaust	6mm push-in tube fitting to customer's exhaust system

Calypso

Gas Analysis System

- Perfect fit for a wide variety of applications and projects
- Easy to operate
- Flexible and user-friendly software suite
- Reliable and accurate gas concentration determination
- Gas inlet system heatable up to 300 °C



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