

Leak Chase



The **Leak Chase** is a self-contained, very portable Vacuum Diagnostic system offering the latest in Smart Head and miniature dry pumping technology.

This small suitcase sized instrument contains a quadrupole RGA mass

spectrometer with all its associated electronics and dry pumping systems. The integrated PC based data acquisition system allows real time collection and display of data.

The **Leak Chase** is available with inlet options including Sniffer Probes and capillary systems. We can customise the inlet configuration to suit your application.

The **Leak Chase** is available with 100, 200 or 300 amu ranges and many connection options making it an ideal tool for Residual Gas Analysis, Identification of Contamination, Background Measurements and Leak Detecting using Helium or other gases of your choice.



APPLICATIONS:

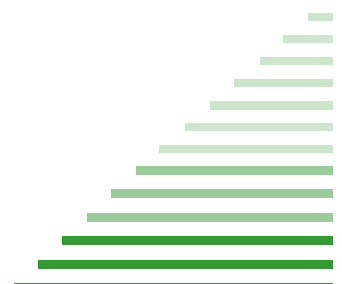
- Environmental Monitoring
- Research Labs
- Quality Control
- Semiconductor Industry
- Heat Treatment
- Vacuum Coating
- Evacuated Tube Manufacture
- Process Lines - on-line or off site

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SS Scientific Limited
Supplies for Vacuum Analytical Instrumentation

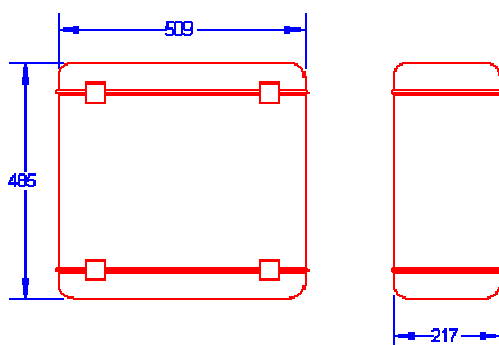
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Leak Chase is available with battery and 12V automotive adaptor options enabling data collection in remote locations. The complete instrument has dimensions of 217 x 485 x 509 mm (W x H x L) and weighs less than 15kg (33lbs).

These powerful features enable the **Leak Chase** to be used as a true portable diagnostic tool in areas such as Environmental Monitoring, Research Labs, Quality Control, Semiconductor Industry, Heat Treatment, Vacuum Coating, Evacuated Tube Manufacture and Process Lines either on or off site.



SPECIFICATION

Mass Range	1 to 100 amu, 1 to 200 amu, 1 to 300 amu.
Filament	Dual Thoriated Iridium.
Source	Open Ion Source.
Mass Filter Type	Quadrupole.
Detector Type	Faraday Cup or Dual Faraday / Multiplier
Resolution (Per AVS Std. 2.3)	Greater than 0.5 amu @ 10% peak height. Adjustable to constant peak width throughout the mass range.
Sensitivity (A/mbar)	2×10^{-4} (faraday)
Minimum Detectable Partial Pressure	5×10^{-11} mbar (faraday)
Operating Pressure	10^{-4} mbar to UHV
Pumping	30 l s ⁻¹ turbomolecular pump with integral dry pump.
Flanges	All CF type with copper gaskets (except turbo pump - 63 ISO)
Connection	CF 70mm OD flange / KF40 Flange
Power	90 - 240V AC @ 4A max. (Battery power and automotive adaptors available)
Weight	14.5 kg
Data Acquisition	Windows™ application
Dimensions	217 x 485 x 509 mm (W x H x L)
Sealed to IP67 (when lid is closed)	

