

NHJ400M Series Helium Leak Detector

Introduction

NHJ400M Helium Mass Spectrometer Leak Detector is a modular type leak detector, small volume can be flexible with the vacuum system, a variety of air combination, can be applied to a variety of detection requirements.

Compact structural design to facilitate integration into leak detection systems according to customer needs.

Mass spectrometry room: 180 degree non-uniform magnetic field U-shaped magnet design, good signal stability, and strong resistance to strong magnetic interference.



Technical Parameters

Min. Detectable Leak Rate of Vacuum Mode	$3 \times 10^{-13} \text{ Pa} \cdot \text{m}^3/\text{s}$
Vacuum Leakage Rate Display Range	$(1 \times 10^{-2} \sim 1 \times 10^{-13}) \text{ Pa} \cdot \text{m}^3/\text{s}$
Min. Detectable Leak Rate of Sniffer Mode	$5 \times 10^{-9} \text{ Pa} \cdot \text{m}^3/\text{s}$
Range of Leakage Rate of Sniffer	$(1 \times 10^{-2} \sim 1 \times 10^{-9}) \text{ Pa} \cdot \text{m}^3/\text{s}$ (zero)
Helium Pumping Speed	2.5 L/s
Detectable Gas	$^4\text{He}, ^3\text{He}, \text{H}_2$
Start-up Time	$\leq 90 \text{ s}$
Response Time	$\leq 0.5 \text{ s}$
Inlet Pressure	$\leq 2000 \text{ Pa}$
Mainframe Power/Voltage	DC24V, 350W
Work Environment	Temperature: $(5 \sim 40) ^\circ\text{C}$
Language	Chinese / English
Dimensions	$(420 \times 275 \times 359) \text{ mm}$
Weight	26 kg
Backing Pump	/
Display units	$\text{Pa} \cdot \text{m}^3/\text{s}, \text{mbar} \cdot \text{l}/\text{s}, \text{atm} \cdot \text{cc}/\text{s}, \text{Torr} \cdot \text{l}/\text{s}, \text{ppm}$

