

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

