

NHJ800D(L) Helium Leak Detector

Introduction

NHJ800D(L) Helium Leak Detector: A silent, portable, eco-friendly helium mass spectrometer featuring oil-free compressed air exhaust with no oil mist pollution.

Utilizes helium mass spectrometry and inverse diffusion principles, incorporating a 180° non-uniform magnetic field and full automation technology.

Features short startup time, fast processing speed, high sensitivity, reliable performance, and no pollutant emissions.

Performance characteristics

Gross leak Detection: Alarms automatically if preset pressure is not reached during evacuation.

Multiple Units & Data Export: Select measurement units, view real-time data, export directly to Excel.

Rotatable 7" Touchscreen: Adjust orientation comfortably for optimal viewing.

Gross leak Protection: Safeguards ion source from oxidation pump from atmospheric exposure.



Technical Parameters	
Min. Detectable Leak Rate of Vacuum Mode	3×10^{-13} Pa·m³/s
Vacuum leakage rate display range	1×10^{-2} ~ 1×10^{-13} Pa·m³/s
Min. Detectable Leak Rate of Sniffer Mode	5×10^{-9} Pa·m³/s
Range of Leakage Rate of Sniffer	(1×10^{-2} ~1×10^{-9})Pa·m³/s (zero)
Helium Pumping Speed	2.5 L/s
Detectable Gas	^4He,^3He,H_2
Backing Pump Speed	15 m³/h; Optional: NHJ800DL, 35 m³/h
Start-up Time	≤90 s
Response Time	≤0.5 s
Inlet Pressure	≤2000 Pa
Mainframe Power/ Voltage	NHJ800D: 1000 W; NHJ800DL: 1300 W; 100-120V , 60Hz 200-240V , 50Hz
Work Environment	Temperature (5~40)°C Humidity≤ 80%RH
Language	Chinese / English / Korean/ Japanese / Thai / Hindi / Malay / Italian
Dimensions	(620x370x1027)mm
Net Weight	94 kg(NHJ800D); 116 kg(NHJ800DL)

Configuration table	
Vacuum pump	Original imported dry pump
Molecular pump	Genuine Import
Vacuum valve	Original imported leak detector, specially customized
Display screen	●
WIFI	○
Cart	●
Remote controler	○
Sniffer	○
Big leak detection	●
Gross leakage protection	●
External leak	●
Built-in leak	○
Data saving	●
Auto-zero	●
Display interface	Curve chart, histogram, numerical display
I/O interfaces	RS232, RS485, USB External control input/output, analog output interface

● Standard Configuration ○ Optional