

NHJ600(D) Helium Leak Detector

Introduction

NHJ600(D) Helium Leak Detector is a fully automatic portable helium mass spectrum leak detector, small volume, suitable for precision, fast and portable vacuum industry and research institutes.

Using helium mass spectrometry and inverse diffusion principle, using 180° inhomogeneous magnetic field and automatic control technology. Automatic helium peak scanning, automatic calibration and automatic range switching are realized.

It has the characteristics of portable, fast start, fast operation, high sensitivity, accurate and rapid.

Performance characteristics

Stripping metal button, one-click automatic emptying.

Hand-held remote control unit, up to 150 meters remote detection.

Ram wifi connection, NOY tech app, remote control.

Automatic zero-adjusting, automatic range switching.

The custom software of the leak detector can be compiled according to the customer's request.



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	2.5 m³/h
* Dry Backing Pump Speed (optional)	3 m³/h
Start-up Time	≤90 s
Response Time	≤0.5 s
Inlet Pressure	≤2000 Pa
Mainframe Power/ Voltage	single-phase 220 V ±10%, 50 Hz, 650W
Work Environment	Temperature (5~40) °C; Humidity: ≤80% RH
Language	Chinese / English / Korean/ Japanese / Thai / Hindi / Malay / Italian
Dimensions	(620x370x480)mm
Net Weight	47 kg(NHJ600); 44 kg(NHJ600D)

Configuration table	
Vacuum pump	Genuine Import
Molecular pump	Genuine Import
Vacuum valve	Original imported leak detector, specially customized
Dry Backing Pump	○
Display screen	●
WIFI	○
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	RRS232, RS485, USB External control input/output,analog output interface

● Standard Configuration ○ Optional