

NHJ480 Helium Leak Detector

Introduction

The NHJ480 Helium Leak Detector is a fully automatic mobile helium mass spectrometer leak detector with a silent wheel design, suitable for many demanding industries.

Utilizing helium mass spectrometry and reverse diffusion principles, using a 180 ° non-uniform magnetic field and fully automatic control technology, automatic helium peak scanning, automatic calibration, and automatic range switching have been achieved.

It has the characteristics of short startup time, fast calculation speed, high detection sensitivity, and strong anti-interference ability.

Performance characteristics

Unique gas path design, can avoid dust into the instrument interior.Multi-mode function input, output, easy to connect a variety of automation equipment.

Double iridium ion source, strong antioxidant capacity

and long service life. The machine is effectively separated from the circuit, avoiding the interference of temperature, electromagnetic field and so on, which makes the leak detector run more stable and reliable.

NOY APP: use mobile phone APP remote over-control leak detector to start, stop, zero. Real-time monitoring leak detector shows leakage rate.



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	16 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, 1000W
Work Environment	Temperature: (5~40) °C; Humidity: ≤80% RH
Language	Chinese / English / Korean/ Japanese / Thai / Hindi / Malay / Italian
Dimensions	(620×370×1027)mm
Net Weight	110 kg
Display Units	Pa·m³/s,mbar·l/s, atm·cc/s, Torr·l/s, ppm

Configuration table	
Vacuum pump	Oil-Sealed Rotary Vane Pump
Molecular pump	Genuine Import
Vacuum valve	Original imported leak detector, specially customized
Display screen	●
WIFI	○
Remote controler	○
Suction gun	○
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