

Federal Grant Procurement Memo

Applies to purchases \$10,000 and above

Grant/Project Title: Name of project

Project Director/PI: Phil Lister

Grant Fund Cost Account: FD0002-CC300010-GR300350-7050-SC077-EX010D

Description of Goods or Services: Helium Leak detector for training vacuum system troubleshooting as part of the Quantum Technician Bootcamp.

Benefit to grant and CNM: Technicians will be trained on an ultra-high vacuum system including the skills required to assemble, maintain, operate, and troubleshoot the system. Leak detection is the core skill required by students working in the quantum, semiconductor, solar cell, and defense industries.

Estimated dollar amount: \$24,591.70

Rationale for method of procurement: Online search for systems meeting the technical requirements for the system. Vendors 2 and 3 had pricing listed online. A quote was requested from Vendor 1 both for price and to fully validate technical requirements.

Contractor selection or rejection: Name each vendor and indicate whether selected or rejected. This will document and justify the decision for procurement.

- VENDOR #1: Edwards
 - Selected or Rejected: Selected
 - Amount of Quote: \$24,591.70 (quote attached in separate PDF file)
 - Justification: The Edwards system met all the technical requirements, includes a cart to hold the helium bottle, and is the lowest cost.
- VENDOR #2: HighVac Depot / Leybold
 - Selected or Rejected: Rejected
 - Amount of Quote: \$27,984.50 (pasted on page 2)
 - Justification: While the system meets the technical requirements, it is less portable (it will be used on multiple vacuum systems in the Quantum Learning Lab), and higher priced.
- VENDOR #3: Kurt Lesker
 - Selected or Rejected: Rejected
 - Amount of Quote: \$25,444.00
 - Justification: The Insight D system meets the technical requirements (the Insight N and W do not meet the contamination requirements). It is less portable than the Edwards system and slightly more expensive.

VENDOR # 2

HIGH VAC  **DEPOT**

Providing practical vacuum solutions
for your industrial or research process



EMAIL US NOW
sales@highvacdepot.com
Minimum order \$50

PRODUCTS ▾

PUMP SERVICING

LEAK DETECTOR RENTALS

RESOURCES ▾

FABRICATION

ABOUT

CONTACT

🏠 > SHOP > HELIUM LEAK DETECTORS, LEAK DETECTORS > LEYBOLD PHOENIX VARIO LEAK DETECTOR



Leybold Phoenix Vario Leak Detector

~~\$28,850.00~~ **\$27,984.50**

Leybold PHOENIX Vario

Note, does not include a backing pump. [Click Here](#) for backing pump options.

- The modular version with a much smaller housing
- Space-saving and portable, very light in weight
- Ideal for systems integration or mobile operations (on a cart)
- Direct electrical connection to the external backing pump possible
- Highest accuracy and reliability thanks to proven measurement system
- Fastest helium pumping speed allows most efficient measurements
- Consistency and convenience: Save all parameters and copy them to other PHOENIX leak detectors
- Innovative touchscreen with intuitive menu structure
- Handy and portable: very small dimensions and low weight
- Log in using Wi-Fi on your smart phone or tablet. No app or software needed!
- Easy internal and external data logging: no measured values are ever lost
- HDMI interface lets you check leaks from anywhere by adding external displays
- Find the perfect fit: three different models to better suit your needs

Single Phase, 115V 60Hz

SKU: 250002V02

Categories: Helium Leak Detectors, Leak Detectors

Brand: Leybold

VENDOR # 3

KJLC Insight Helium / Hydrogen Leak Detector



REPRESENTATIVE IMAGE

Applications

- › Research & Development
- › Analytical Research and Instrumentation
- › Vacuum Components
- › Electronics
- › Automotive

Features

- › High performance system
- › Exceptional reliability from proven measurement systems
- › Fast helium pumping speed allows for quick, accurate measurements
- › Intuitive and easy to use built-in digital display, with additional RS-232 and RS-485
- › Compact design allows for flexibility and versatility in use for most environments
- › Ion source utilizes two long-life iridium filaments, yttrium-oxide coated with 3-year warranty

Specifications Table

Leak Detector Model	Insight W	Insight D	Insight N
Backing Pump	Wet	Dry	No Backing Pump

Ordering Table

Model	Inlet Flange	Manual	Voltage	Part Number	Price	In Stock	Add To Cart	Accessories
▼ Insight D	KF25		230V, 50 HZ	LDD-KJLC-50H	\$25,444.00			...
▲ Insight D	KF25		115V, 60 HZ	LDD-KJLC-60L	\$25,444.00			...
Description KJLC INSIGHT HELIUM LEAK DETECTOR, DRY, 115V, 60 HZ, DIGITAL DISPLAY, 2.5 L/S HELIUM PUMPING, KF25 INLET FLANGE, RS-232 & RS-485								
▼ Insight N	KF25		110-250V, 50/60 HZ	LDN-KJLC-W	\$22,051.00			...
▼ Insight W	KF25		230V, 50 HZ	LDW-KJLC-50H	\$22,559.00			...
▼ Insight W	KF25		115V, 60 HZ	LDW-KJLC-60L	\$22,559.00			...
Model	Inlet Flange	Manual	Voltage	Part Number	Price	In Stock	Add To Cart	Accessories