

PRODUCT TECHNICAL BRIEF

LeakLab AGP Vacuum Monitoring System for Cryogenic Vessels

LeakLab AGP Vacuum Monitoring System for Cryogenic Vessels - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Indication range for nitrogen or air	0.05-120,000 Pa
Accuracy stated in the source configuration	±50% at 0.05-0.1 Pa; ±15% at 0.1-15,000 Pa; ±0.5% at 15,000-120,000 Pa
Repeatability stated in the source configuration	±2% from 0.1 to 120,000 Pa
Response time	≤100 ms
Outputs	0-10 V logarithmic analog; RS-485 Modbus RTU
Units	Pa, Torr and mbar
Process connection	KF16 stainless steel
Supply / consumption	9-28 V DC / <1.2 W
Operating temperature	0-40 °C
Maximum connected pressure	130 kPa

Technical and Project Information

Wide-range MEMS thermal-conductivity vacuum monitor for cryogenic insulation spaces. The assembled system provides a color display, 0-10 V analog output, RS-485 Modbus RTU and a KF16 connection.

The AGP system monitors the insulation vacuum of stationary or mobile cryogenic vessels. It uses a MEMS thermal-conductivity sensor and is supplied with local display and power electronics.

Thermal-conductivity readings are gas-dependent. Alarm thresholds for an insulation space must be established from the vessel design, baseline history and validated operating procedure; this monitor is not a certified safety device or pressure-relief component.

Confirm sensor placement, isolation valve, cable length, enclosure, power supply, display location, communications and environmental protection for the vessel.

- Helium Reference Leaks
- Scanning Electron Microscopes
- Vacuum Gauges ASAIR Vacuum Gauges CBVAC Vacuum Gauges KYKY Vacuum Gauges Meradat VIT Vacuum Gauges Quadrupole Mass Spectrometers Vacuum Gauges for Cryogenic Vessels
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- Quadrupole Mass Spectrometers
- Vacuum Gauges for Cryogenic Vessels
- Leak-Detector Accessories

WORLDWIDE PROJECT CONTACT

Send the test object or system, operating conditions, target sensitivity or pressure range, applicable standard, destination country, quantity and schedule. LeakLab will review the project scope.

mail@leaklab.org

Regarding: LeakLab AGP Vacuum Monitoring System for Cryogenic Vessels

Specifications, standards, verification scope, availability and commercial terms must be confirmed for the exact configuration and destination jurisdiction before order or project acceptance.