

PRODUCT TECHNICAL BRIEF

ASAIR AGP3000 Pirani Vacuum Gauge with Display

ASAIR AGP3000 Pirani Vacuum Gauge with Display - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Measurement range	5×10^{-2} to 1×10^5 Pa for nitrogen or air
Accuracy stated in the current manufacturer manual	$\pm 50\%$ of reading from 5×10^{-2} to 1×10^{-1} Pa; $\pm 15\%$ from 1×10^{-1} to 1×10^4 Pa; $\pm 50\%$ from 1×10^4 to 1×10^5 Pa
Repeatability	$\pm 2\%$ from 1×10^{-1} to 1×10^4 Pa under the stated nitrogen calibration conditions
Analog output	0.61-10 V DC, logarithmic; verify the exact transfer function for the supplied revision
Digital interface	RS-485, Modbus RTU
Supply	9-24 V DC
Power consumption	≤ 1 W
Vacuum connection	KF16, 304 stainless steel with an electropolished surface
Display	TFT-LCD with pressure and signal indication
Product Label	New

Technical and Project Information

Compact MEMS Pirani gauge for air and nitrogen from 5×10^{-2} to 1×10^5 Pa according to the current manufacturer manual. The display-equipped instrument provides a logarithmic analog output and RS-485 Modbus RTU communication, with 9-24 V DC power and a KF16 connection.

ASAIR AGP3000 Pirani Vacuum Gauge

The AGP3000 is a thermal-conductivity vacuum gauge for low- and medium-vacuum monitoring. Its MEMS Pirani sensor is calibrated for nitrogen or air, and its response depends on gas composition. The integrated TFT display and front-panel controls allow local indication and setup.

Typical applications include vacuum drying, packaging, coating, thermal processing, pump systems and laboratory equipment. Gas-specific correction is required when measuring gases other than nitrogen or air.

The original source page contained inconsistent range and accuracy figures. This English card uses the current manufacturer manual values. Confirm the product revision, cable, power adapter, Modbus register map, analog-output equation, gas correction and calibration documentation before ordering. Do not use the gauge as the sole protective interlock where failure could create a hazardous condition.

- 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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- CBVAC Vacuum Gauges
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- Meradat VIT Vacuum Gauges
- 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: ASAIR AGP3000 Pirani Vacuum Gauge with Display

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