

PRODUCT TECHNICAL BRIEF

ASAIR AGP2112 Capacitance Diaphragm Vacuum Gauge, 0-100 Torr

ASAIR AGP2112 Capacitance Diaphragm Vacuum Gauge, 0-100 Torr - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Measurement range	0 to 100 Torr absolute
Accuracy stated in source record	$\pm 0.3\%$ of measured value
Response time	≤ 60 ms
Analog output	0-10 V, linear
Digital interface	RS-485, Modbus RTU
Display	Color TFT-LCD with front-panel controls
Supply	15-30 V DC
Vacuum connection	KF16; adapter options may be available for KF25, VCR and NPT
Materials stated in source record	Inconel sensing element, 304 stainless-steel body and electropolished flange surface
Operating temperature	+5 to +50 °C
Maximum pressure stated in source record	300 kPa

Technical and Project Information

AGP2112 capacitance diaphragm gauge for absolute-pressure measurement from 0 to 100 Torr. The source record states $\pm 0.3\%$ of reading accuracy, ≤ 60 ms response, 0-10 V output, RS-485 Modbus RTU, TFT display, 15-30 V DC supply and a KF16 connection.

ASAIR AGP2112 Capacitance Diaphragm Vacuum Gauge

The AGP2112 is the 0-100 Torr member of the AGP21 capacitance diaphragm gauge family. Diaphragm displacement is converted into a linear absolute-pressure signal that is substantially independent of gas thermal or ionization properties.

For the stated full scale, a linear 0-10 V output corresponds nominally to 0.1 V per Torr. The exact transfer function and connector pinout for the supplied revision take precedence.

Typical uses include controlled vacuum processes, coating, plasma systems, packaging, drying and research equipment. Confirm wetted-material compatibility, zeroing conditions, overpressure rating, mounting orientation, digital register map and calibration certificate before use.

- 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: ASAIR AGP2112 Capacitance Diaphragm Vacuum Gauge, 0-100 Torr

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