

PRODUCT TECHNICAL BRIEF

ASAIR AGP2111 Capacitance Diaphragm Vacuum Gauge, 0-10 Torr

ASAIR AGP2111 Capacitance Diaphragm Vacuum Gauge, 0-10 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 10 Torr absolute
Accuracy stated in source record	±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
Warm-up time	15 min before precision adjustment or measurement

Technical and Project Information

ASAIR AGP2111 Capacitance Diaphragm Vacuum Gauge

The AGP2111 measures absolute pressure from 0 to 10 Torr by detecting the capacitance change produced by diaphragm deflection. The measurement principle is largely independent of gas species; chemical compatibility still depends on the complete set of wetted materials and process conditions.

For the stated 0-10 Torr configuration, a linear 0-10 V output corresponds nominally to 1 V per Torr. Use the exact manufacturer transfer function and pinout for control-system scaling.

Confirm wetted-material compatibility, temperature effects, zeroing conditions, overpressure rating, mounting orientation, cable, Modbus map and calibration documentation before ordering. Additional accredited calibration can be agreed where required, but its scope and destination-country acceptance must be specified.

- 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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- 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 AGP2111 Capacitance Diaphragm Vacuum Gauge, 0-10 Torr

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