

PRODUCT TECHNICAL BRIEF

AGP10 Piezoresistive Absolute Pressure Gauge, 0-100 Torr

AGP10 Piezoresistive Absolute Pressure 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	±0.5% full scale
Output	1-5 V DC, linear
Supply	15-24 V DC
Minimum load resistance	10 kΩ
Response time	≤50 ms
Operating temperature	+5 to +45 °C
Vacuum connection	KF16
Body material	316L stainless steel
Electrical connector	Hirschmann-type connector stated in source record
Weight	0.45 kg

Technical and Project Information

AGP10 absolute-pressure transducer for 0-100 Torr using an oil-isolated piezoresistive silicon sensor. Stated accuracy: ±0.5% full scale; output: 1-5 V; response time: ≤50 ms; supply: 15-24 V DC; KF16 connection. Confirm media compatibility, calibration and exact electrical connection before ordering.

The AGP10 uses a piezoresistive silicon sensor to measure absolute pressure. Pressure deflects the sensing structure and changes the resistance of integrated strain elements; electronics convert this change into a linear analog output. The source record describes an oil-isolated sensor construction.

Because it is a mechanical absolute-pressure measurement, the response is much less dependent on gas thermal properties than a Pirani gauge. This does not establish compatibility with every gas: diaphragm, fill fluid, seals and other wetted materials must be checked for the process medium.

Typical applications include vacuum packaging, drying, degassing, vacuum furnaces, pump stations and industrial pressure control. Factory calibration is stated in the source record. Additional accredited calibration may be arranged where required, but its scope and acceptance in the destination country must be agreed before ordering.

Confirm the exact range, media compatibility, overpressure limit, output pinout, connector, fitting, calibration certificate and installation orientation 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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- 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: AGP10 Piezoresistive Absolute Pressure 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.