

PRODUCT TECHNICAL BRIEF

CBVAC MM1 High-Temperature Capacitance Diaphragm Vacuum Gauge

CBVAC MM1 High-Temperature Capacitance Diaphragm Vacuum Gauge - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Available full-scale range family	Selected ranges from 0.1 to 1000 Torr
Accuracy stated in source record	$\pm 0.25\%$ of reading under applicable 45-100 °C conditions
Resolution	0.001% of full scale
Response time	<20 ms
Heater setpoint options	45 °C, 100 °C or 120 °C, depending on version
Analog output	0-10 V DC; load ≥ 10 k Ω
Supply options stated in source record	± 15 V DC $\pm 5\%$ or optional 24 V DC
Process connections	KF16, KF25, CF16, CF35, VCR and 1/2-inch tube options stated in source record
Maximum overpressure stated in source record	310 kPa
Wetted material stated in source record	High-purity nickel alloy
Storage temperature stated in source record	-25 to +75 °C

Technical and Project Information

Heated capacitance diaphragm gauge for absolute-pressure measurement in thermally demanding processes. MM1 configurations are described with 0.1 to 1000 Torr full scales, $\pm 0.25\%$ accuracy, 45 °C, 100 °C or 120 °C temperature control and a linear 0-10 V output.

CBVAC MM1 High-Temperature Capacitance Diaphragm Gauge

The MM1 is a heated absolute-pressure transducer for processes where temperature control helps limit condensation and zero drift. The capacitance diaphragm principle is gas-species-independent, but process compatibility still depends on wetted materials and chemistry.

A 120 °C heater setpoint is not the same as permission for every external environment or process-gas temperature. Verify thermal clearances, cable rating, flange heating, insulation and allowable ambient conditions for the exact version.

Confirm full scale, heater setpoint, accuracy conditions, wetted materials, fitting, supply, connector, warm-up, zeroing and calibration documentation before ordering.

- 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: CBVAC MM1 High-Temperature Capacitance Diaphragm Vacuum Gauge

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