

PRODUCT TECHNICAL BRIEF

CBVAC CM1E Heated Capacitance Diaphragm Vacuum Gauge

CBVAC CM1E Heated 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 ranges stated in source record	0.1, 0.25, 1, 2, 10, 20, 100, 500 and 1000 Torr
Accuracy stated in source record	Typically $\pm 0.25\%$ of reading; $\pm 0.12\%$ for applicable ranges up to 100 Torr under specified conditions
Response time	<20 ms
Heater setpoint options	45 °C or 100 °C
Analog output	0-10 V DC; load $\geq 10 \text{ k}\Omega$
Supply	$\pm 15 \text{ V DC} \pm 5\%$ in the source configuration
Electrical connector	DB15 male
Process connections	KF16, KF25, CF16, CF35, 8VCR, 8VCO 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
Ambient temperature stated in source record	+5 to +50 °C
Product Label	Bestseller

Technical and Project Information

Heated capacitance diaphragm gauge with contamination-control features for absolute-pressure measurement. CM1E configurations are described with 0.1 to 1000 Torr full scales, 45 °C or 100 °C temperature control and a linear 0-10 V output.

CBVAC CM1E Heated Capacitance Diaphragm Gauge

The CM1E is described as a heated, contamination-resistant version of the CM1 capacitance diaphragm gauge. Controlled body temperature can reduce condensation and temperature-driven zero shift, but it does not make the sensor compatible with every corrosive or depositing process.

Heating requires suitable warm-up time, thermal clearance and cable/power sizing. Deposition, particles and condensable media can still change the zero and damage the diaphragm.

Confirm full scale, accuracy grade, heater setpoint, contamination protection, wetted materials, fitting, power, pinout, 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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- 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 CM1E Heated 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.