PRODUCT TECHNICAL BRIEF

CBVAC EM1 Digital Capacitance Diaphragm Vacuum Gauge

CBVAC EM1 Digital Capacitance Diaphragm Vacuum Gauge - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Full-scale ranges in the source product record	0.1, 0.25, 1, 2, 10, 20, 100, 500 and 1000 Torr
Accuracy in the source product record	±0.12% of reading for applicable 1-1000 Torr versions; ±0.15% for 0.1-0.25 Torr versions
Response time in the source product record	<20 ms
Outputs in the source product record	0-10 V analog plus RS-485 Modbus RTU
Supply described in source product record	±15 V DC or 24 V DC, configuration-dependent
Newer family-guide description	Compact unheated EM1, +13 to +32 V DC, with 0-5 V or 0-10 V output options
Process connections listed in source product record	KF16, KF25, CF16, CF35, 8VCR, 8VCO and 1/2-inch tube
Maximum overpressure stated in source record	310 kPa

Technical and Project Information

Digital absolute-pressure capacitance diaphragm gauge offered in selected full scales from 0.1 to 1000 Torr. The source product record specifies analog output plus RS-485 Modbus RTU, but its heater and supply details conflict with a newer family guide and must be confirmed by ordering code.

CBVAC EM1 Digital Capacitance Diaphragm Gauge

The EM1 uses a capacitance diaphragm to measure absolute pressure and adds a digital interface for control-system integration. The source product record and a newer CBVAC family guide describe materially different EM1 configurations, so the exact ordering code and datasheet are essential.

Because the available documents conflict on heating, power and outputs, this page does not present those features as universally included. Confirm the manufacturer datasheet for the exact part number, including full scale, heater status,

supply, analog scaling, RS-485 connector, Modbus map and wetted materials.

Specify calibration range, traceability and destination-country acceptance separately. Never apply supply voltage or connector pinout from another EM1 revision.

- 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 EM1 Digital 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.