



ROMET



REMOTE MOUNT VERSION



METER MOUNT VERSION



OPTIONAL
REMOTE KEYPAD

ELECTRONIC VOLUME CORRECTOR EVC2™ B

EVC2™B FEATURES

- **Conversion error** of 0.5% or better
 - **Large, easy to read dual display** eliminates need for confusing parameter codes by displaying numeric value along with the associated description
 - **Rugged aluminum enclosure** with military quality connectors provides the foremost in protection from the elements
 - **Multiple levels of security** ensure the integrity of the gas measurement
 - Password protection of all portions of the program that impact the metrological functions
 - Sealable program access switch
 - Internal enclosure (sealable) to prevent tampering with the electronics
 - Padlock latch on the enclosure access door
 - **Non-volatile EEPROM memory** protects the integrity of the gas registration by storing the index values, passwords, calibration data, alarms and set up configuration in the event of a power loss
 - **Mechanical backup counter** for unconverted volume registration (meter mount version only)
 - **Gauge pressure displayed** to facilitate field accuracy inspections
 - **Universal mounting** accommodates most gas meter instrument drives (meter mount version)
 - **Direct serial communication port** for uploading and downloading of files with a PC
 - **Software is supported by Windows® 95** or higher (copy included on CD with each EVC2™B)
 - **Remote keypad** offers convenient method of access as an alternative to using a PC
 - **Single scroll button** on enclosure allows the user to view key parameters quickly
 - **Two year warranty** on parts and labor
- Additional features of the extended memory version 3 (audit trail)**
- **Hayes compatible modem communication** allows remote uploading and downloading of files
 - **Interval records** store 56 days of hourly readings
 - **AMR file** provides 64 daily records of a selected number of parameters
 - **Alarm logger** gives a snapshot of any activated alarms with the time and date
 - **Event logger** stores any changes to the set up or calibration

PERFORMANCE DATA

Accuracy

- Combined error of less than $\pm 0.5\%$
- Calculation error of less than 0.01%

Configuration

- Available configured for imperial or metric
- Reading pressure in absolute and gauge units
- NX-19 supercompressibility calculation (live or fixed)

LCD Displays

- Parameter value (7 segment, 8 digit maximum)
- Parameter description (dot matrix)

Power

- Alkaline batteries rated for 3 years normal service
- Lithium (sealed pack) rated for 5 years normal service
- Intrinsically safe (CSA/UL approved)

Temperature sensor

- Standard measurement and operating range
–40°F to 122°F (–40°C to 50°C)
Higher temperature ranges available on request
- Semiconductor integrated circuit
- Standard probe length of 6" (152 mm)
- Standard armored cable length of 6 feet (1.83m)

Pressure sensor

- Strain gauge type
- Absolute measurement
- 1/4" FPT bulkhead connection on the enclosure
- 3 point calibration

Pressure ranges

Imperial (psia)		Metric (kPa)	
10 to 25	50 to 200	90 to 150	320 to 1600
10 to 40	60 to 300	90 to 250	500 to 2500
10 to 50	80 to 400	100 to 500	650 to 3200
10 to 65	100 to 500	150 to 700	900 to 4500
10 to 80	200 to 1000	200 to 1000	1500 to 7000
20 to 100	300 to 1300	250 to 1200	2000 to 9000
30 to 150			

(bara ranges on request)

Mechanical backup counter (meter mount version)

- 8 digit maximum

Pulse outputs

- Unconverted, converted and alarm
- Opto-isolated, form "A" (3-30 VDC, 50 ma max.)
- Pulse width of 50ms
- Multipliers - Imperial: x1cf, x10cf, x100cf, x1000cf, x10000cf
Metric: x0.01m³, x0.1m³, x1m³, x10m³, x100m³

Input multipliers

- Imperial: x1cf, x5cf, x10cf, x100cf, x1000cf, x10000cf
- Metric: x0.01m³, x0.1m³, x1m³, x10m³, x100m³

Physical characteristics

- Dimensions:
Meter mount – H 11.64"(296mm) x L 9.22"(234mm) x W 4.44"(113mm)
Remote mount – H 9.50"(241mm) x L 9.22"(234mm) x W 4.44"(113mm)
- Weight: 9.75 lbs/4.4 kg (meter mount)
8.50 lbs/3.8 kg (remote mount)