

RECOR 325 RVC Electronic Volume Corrector



Highlights

- Based on New Circuit Technology
- Extended Memory
- Low Power
- Configuration and Calibration stored in flash memory
- Heavy Duty Aluminum Enclosure with rain guard
- Host software compatible with 323 Series Correctors

Specifications

Physical

Housing:	Aluminum
Dimensions:	Overall 9.75" x 6.75" x 4.75" (enclosure 7.75" x 6" x 4.25")
Weight:	6 lbs (including battery)
Mounting:	Universal rotatable base plate (others available)
Pressure Connection:	¼" NPTF
Temperature Probe:	¼" O.D. x 6" probe x 6' armor; ¼" NPTM slip fitting (others available)
Security:	Stainless steel padlock hasp
Coating:	Snow white powder coat

Electrical

Primary Power Pack:	1.5 volt; 1 each D cell alkaline battery
Back Up Power:	3.6 volt field replaceable lithium cell
Circuit:	3 volt, 200 microamp; 4" x 5" four layer PCB; 95% surface mount construction
Transducer:	10 millivolt per volt excitation; 12 point polynomial compensation
Temperature Sensor (gas and air):	Integrated circuit type
Flow Detector	Falling reed input pulser (remote and hi freq. available)
Display:	Eight digit LCD
Communication:	Two RS 232, multi-drop addressable native sandia and modbus

Mechanical

Drive Mechanism:	Universal drive dog, reversible mechanical gear train
Display:	Odometer style eight digit uncorrected volume counter
Scroll:	Push button switch

Performance

Accuracy:	+/- 5% of reading inclusive of linearity, hysteresis, repeatability, long term drift & temperature
Temperature:	-40°F to + 170°F
Humidity:	5 – 95 % non-condensing
Primary Power Pack Life:	Up to 48 months based on 1 minute wake-up interval
Back Up Power Life:	Up to 12 months based on 1 minute wake-up interval

Options

Inputs:	Remote low frequency; Optical
Outputs:	Optical isolator; form "C" splitter
Communication:	Internal 2400 baud modem; internal LAN card; multidrop harnesses; radio modem; cell modem complete package available; surge protection; mounting kits

RECOR EVC Model Feature Matrix

Feature	323 LVC	323 XVC	325 RVC
Profiler (Audit Trail)	35 days/hourly	130 days/hourly	130 days/hourly
Event Log (200 + lines)	No	Yes	Yes
System Alarms (P, T and Battery)	Yes	Yes	Yes
Contract Management (hrs, days, mos)	No	Yes	Yes
Contract Alarms	No	Yes	Yes
Remote Communication Ready	Yes	Yes	Yes
Phone Home/pager	No	Yes	Yes
Flow Rate (hrs, diagnostics)	Yes	Yes	Yes
Prior Month End Volume to Local Display	No	Yes	Yes
Modbus (co-resident with Sandia)	Yes	No	Yes
Pulse Outputs	Yes	Yes	Yes
Metric Units	Yes	Yes	Yes

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