



BI-2400-CF Specifications

The BI-2400-CF is a highly accurate and ultra low pressure drop (up to +/- 1% of rate @ 25% of full scale) Flow Meter with less than .4% of 1" W.C. dropped through the entire device. Using a unique sub-venturi flow system the AA battery powered device operates up to 50 hours continuously. Flow rates to 900 SLPM (mass)/LPM (volumetric) are indicated by a 4x20 character LCD display. Higher or lower flow rates are available. A 0-10 volts DC output is accessible via 2.5 mm jack. NAVLAP certified as a flow metrology calibration to 400 LPM.



BI-2400-CF Features and Specifications	
Accuracy	± 2% at reading from 120 to 450 LPM
Flow Range	60 LPM – 500LPM
Flow Units	LPM, CFM, Custom
Measuring Units	Uncorrected volumetric units derived by correction to mass units to flow at standard conditions of 1 atmosphere and 70° F (SLPM) to eliminate the effects of altitude and barometric pressure during flow measurement and display of "Actual Uncompensated Liters per Minute". Compensation is optional
Max Pressure	15 psia
Media	Air/ gas
Operating Range	Normal Indoor Ambient
Output	LCD screen displays of ** LPM "Liters per Minute"; second screen displays in real time of pressure, mass flow units and temperature; analog output 0-5v** via 2.5mm jack
Pressure Drop	Less than 1" H2O at 400 LPM
Repeatability	± 0.2% at 200 LPM
Response Time	50 Milliseconds (Typically)
Temperature Range	0 – 50° C
Case	Custom
Dimension	9" L x 5" W x 8 ¼" H
Calibration	Annual
Connector	1 ¼" Cam & Groove, Custom
Human Interface	Membrane Switch
Indicating Display	4 line x 20 character LCD - black
Power	Battery (8 commonly available AA) 50 hour
Software	**Custom product specific as described**
Weight	5.5 lbs