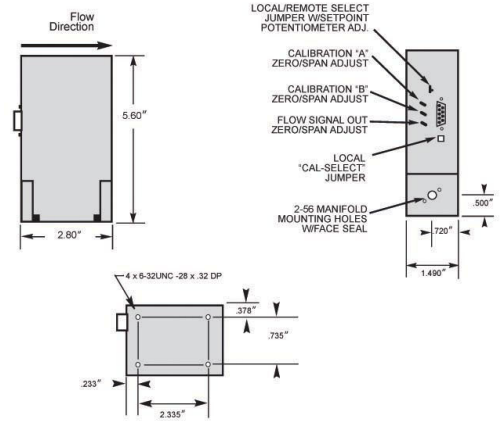


**MASS FLOW
 CONTROLLERS**
**MASS FLOW
 METERS**
**VACUUM &
 PRESSURE
 CONTROLLERS**
**CONFIGURABLE
 FEATURES**
**CUSTOM
 CONTROLLERS**
**FREE
 EVALUATION**
PRINT as PDF

Specifications:
Analog
Performance:

Linearity
 Repeatability & Hysteresis
 Temperature Coefficient
 Response Time
 (to within 1% of set point)
 Long Term Stability
 (Continuous Operation)

Economical
 $\pm 3.0\%$ of Full Scale
 $\pm 0.15\%$ FS
 0.09% / °C from 21°C set point
 100 msec
 0.2% FS / >7500 hours

Conventional
 $\pm 1.0\%$ of Full Scale
 $\pm 0.15\%$ FS
 0.009% / °C from 21°C set point
 100 msec
 0.2% FS / >7500 hours

Digital
 $\pm 0.5\%$ of Full Scale
 $\pm 0.15\%$ FS
 0.09% / °C Uncompensated
 0.005% / °C Compensated
 250 msec
 0.2% FS / >7500 hours

Fluid Requirements:

Calibration Gas
 Flow Ranges
 Pressure Range
 Cal Pressure
 Internal Leakage
 External Leakage

Customer Specified, Non Corrosive
 Customer Specified, 0 sccm at $V_c < 1\%$ FS, Min sccm at $V_c = 2\%$ FS, Max sccm at $V_c = 100\%$ FS
 0-100 Psig
 25 Psi - Typical
 10^{-5} sccm @ 1, 30 and 100 Psi (He)
 2×10^{-6} sccm (He)

Electrical Requirements:

Input Voltage (single supply)
 Power Consumption
 Control Voltage
 Output Voltage

12, 15, 18, or 24 volts +10% - 3%
 2.0 Watts Maximum
 0 - 5 VDC, 1 - 5 VDC, or 4-20mA
 0 - 5 VDC

Environmental Requirements:

Operating Ambient Temp.
 Storage Temperature
 Humidity Range
 Nominal Temperature

0-50°C
 -40 - 70°C
 5% - 95% (Relative, non-condensing)
 21°C $\pm 10^\circ\text{C}$

Mechanical Configuration:

Input/Output Ports
 Dimensions
 Weight

10-32 Threaded (Other sizes, consult factory)
 L: 2.8" W: 1.5" H: 5.6"
 13.0 oz

Construction (wetted materials):

Manifold
 Filter Screen
 O-Rings
 Tubing
 Sealant
 Flow Sensor

Nickel Plated Aluminum, Brass 360
 Polyester
 Fluorocarbon (Viton®), others at additional cost
 Polyurethane
 Anaerobic Sealant
 Engineering Thermoplastic, Silicon, Silicon Nitride, Gold, Aluminum Oxide, Epoxy Sealant, Fluorocarbon (Viton®), Polyester