

PUMP MOUNTING

Controller Physical Specifications...

Dimensions: 7.25" x 7.38" x 3.18" Weight: 2.5 lbs.

Material of Construction: Painted aluminum sheet metal with white non-marring rubber feet.

Electrical Specifications:

Power: 90 / 260VAC, 50 / 60Hz, Std. IEC 320 connection.

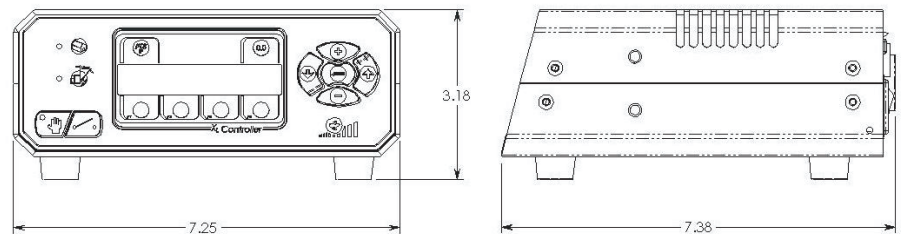
Operating Current: 75mA @ idle, 392mA peak, 350mA avg.

Fuse: 5mm x 20mm ½ Amp, Time delay (located behind the outer panel in the power entry module).

Foot Switch: Dry Contact.

Com 1: Serial port.

Com 2: Customizable. I/O: Interface with pump.



Pump Physical Specifications:

Dimensions: 6.80" x 5.72"(15" with conn.) x 2.96" Weight: 3.5 lbs.

Mounting: The Motor Module can be mounted in a bulkhead or panel. It also can be mounted into a stand and set on the bench or tabletop (refer to section 2.4, "Metering Head/Motor Module Mounting").

Metering Head Construction: Piston and cylinder lining are Sapphire hard (fused crystalline alumina, 99% Aluminum Oxide). Motor Module body is constructed from 6061 Aluminum with surface black anodizing.

Capacity:

Maximum Dispense Rate: (Total displacement, TD) Heads are interchangeable.

0.32ml TD ~128ml/ minute

0.65ml TD ~ 260ml/ minute

.72ml TD ~ 288ml/ minute

1.25ml TD ~500ml/minute

3.5ml TD ~ 1400ml/ minute

Minimum Dispense: ~5% of full scale. Minimum Dispense Rate: Based on head.

Stroke adjustment: 0.0144uL per step, Stroke adjustment mechanism (SAM).

Drive Motor: Stepper motor, 1.8 degree., 200 steps per revolution. One complete revolution equals one stroke.

Ambient: Temperature: 4-35 °C without condensation.

Life expectancy: 84 million cycles.

Precision .5% of full scale.

Repeatability: .03 of full scale