



**MASS FLOW METERS BY:**

# **THERMAL INSTRUMENT COMPANY**

**MANUFACTURING THERMAL MASS FLOWMETERS FOR OVER 40 YEARS**

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## **Model 600-9 In-Line Thermal Mass Flow Meter**

### **DESIGN FEATURES:**

**Completely Unobstructed Straight Through Flow Tube**

**Measures: Liquids and Gas**

#### **Wide Selection of flow Tube Materials**

316 SS is standard. Also available Hastelloy C, Inconel, Monel, Carpenter 20, Tantalum, Titanium, Sanitary and Ultra High Pure.

**Mountings:** Flange, Tube Fittings, Sanitary, Welded, Many others available

#### **NIST Traceable Calibration**

All of our Flow Meters are factory calibrated to your specific fluid under your specific flow conditions.

**Available with integral or remote signal converters**

**Options:** Flow Rate and Totalizer, Temperature output

**Pressure drop:** Negligible

**Wide Flow Range:** 20:1, 100:1, 1000:1

**Totalizer Data** is automatically stored in the EPROM memory on power loss and restored on startup. No batteries required.



### **SPECIFICATIONS:**

#### **Accuracy:**

$\pm .50\%$  of full scale [or 2% of reading whichever is better. Full Scale over the calibrated range.]  
[Process fluid temperature span  $\pm 50^\circ$ ]

**Repeatability:**  $\pm 0.2\%$  of rate

#### **Response Time:**

Gasses: 1 to 2 seconds  
Liquids: Less than 500 ms

#### **Pressure:**

0 – 1200 PSIG (STD)  
0 – 10000 PSIG Dependent on meter size

#### **Mass Flow Rates:**

Liquids: .003 Grams to 24000 GPM  
Gas: 2 SLPM to 100000 SCFM

Note: Maximum determined by pipe capacity.

**Housing:** Explosion Proof, Class 1, Div 1 Groups, B, C, D Weatherproof, Nema 4