MASS FLOW MEASUREMENT

Flow Rate Measurement of Gases & Liquids
Available as Flow Switch
Sturdy 316 Stainless Steel Material Standard
Corrosion Resistant Materials Available such as Hastelloy, Monel, Inconel, and others
Single Piece Welded Construction
Redundant Non-Wetted Sensors
10:1 Turndown or greater. Multiple Ranges Available.
No Moving Parts
Negligible Pressure Drop
Compression Packing Gland or Flange Process Connection
Available for line sizes 1.5" and greater
NIST Traceable Calibration
Designed & Manufactured in the USA

Our Model # 62-9 Thermal Mass Flow Meter is our most versatile flow measurement instrument. It is easily placed into both liquid and gas applications for accurate measurement of your process. It is available with our Model # 9500P Integral Electronics allowing the end user to view Flow Rate and Totalized Flow Rate on a bright LED display.

Custom Length probes are available. Process connections such as Hot Tap, Tri-Clover, and Welded Union Connection for High Pressure applications.

Our Dual Tip Model # 62-9DT is available for line sizes as small as 1½", High Temperatures, and wide flow ranges.
**Insertion Probe Mass Flow Meter Available with Integral or Remote Electronics**

**Design Features:**
- Non-wetted sensors mounted on inner surface of the flow tube allow for measurement of Gases, Liquids, and Slurries
- Built in Redundant Sensors
- Various Probe OD’s and Lengths to suit wide ranging flow applications
- 316SS construction material standard. Hastelloy, Monel, Titanium, and others are available by request
- Protective and high release coatings available
- Available as a Multi-Point design to capture irregular flow profiles in large lines such as ducts or stacks
- Bi-Directional capability for measuring flow coming from both directions
- 4-20mA Flow Output standard. Pulse, Hart, and RS485 Modbus Communication available.
- Isolated 4-20mA Temperature Output available

**Engineering Specifications:**
- **Accuracy:** ±0.50% of Full Scale or 2% of reading.
- Process Fluid Temperature Span ±50°F
- **Repeatability:** ± .20% of Rate
- **Turndown** 10:1 Std. 1000:1 Application Dependent
- **Response Time:** Gases—1 to 2 Seconds
- Liquids—< 500ms.
- **Pressure Rating** 0–1200 psig (Std).
- **Mass Flowrates** Gas 40—50,000 SFPM
- Liquid .02—20 FPS
- **Temperature** -40—350°F (Std), -40—175°C (Std.)
- Optional High Temps to 500°F (260°C)

**Transmitter Specifications (Integral or Remote):**
- **Display** 8 Digit Flow Rate & Total Flow Rate
- **Power** 120 / 240 VAC, 50/60 Hz
- 24 VDC, 1 Amp
- **Output** 4-20MADC Flow (Std.)
- Pulse Output (Opt.)
- 4-20 MA Process Fluid Temp. (Opt.)
- 0-5 VDC, 0-10 VDC Optional
- Modbus RS 485, Hart Communication (Opt.)
- **Remote** Up to 4000’. Signal Cable- 18 Gauge, 2 Pair with shield
- Communication via RS-232 Cable & 4 Button Menu System (Opt.)
- **Adjustable Variables:**
  - Filter Factor, Flow Full Scale, Flow Factor, Pipe ID, Zero Cutoff %

**Enclosure Specifications:**
- Cast Aluminum, Epoxy painted with window or blind
- **Connection** ¾” FNPT Power & Signal
- **Ratings** Nema 4, Explosion Proof, Class 1, Div 1 Groups B, C, D Weatherproof
- **Temperature** Ambient –13 to 140°F (-25 to 60°C)
- Storage –40 to 158°F (-40 to 70°C)