

VersaMassTer[®]

Thermal Mass Flow Meters

Repeatable. Reliable. Ready.

Research at Delta M Corporation has led to the development of our new intelligent Thermal Mass Flow Meter.

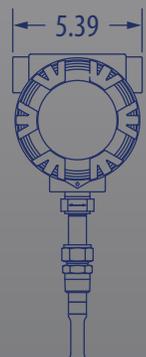
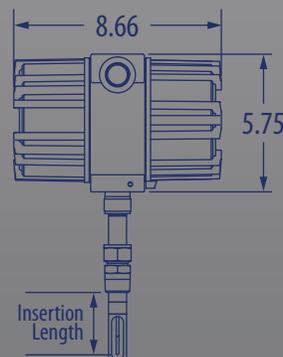
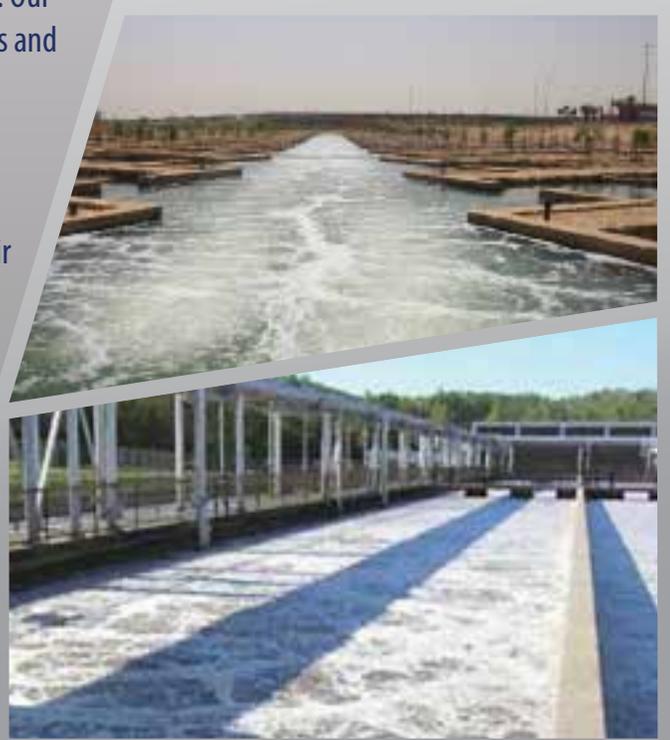
Specifically designed to operate in gases, the new Delta M VersaMassTer[®] Flow Meter is based on the cutting-edge RATIO-THERMIC[®] technology developed and patented by Delta M Corp's research group.

Developed as a result of continual consultation with process engineers in a wide variety of industries and applications, the patented sensor in our state-of-the-art VersaMassTer precisely measures the amount of air moving through the process line. Our team developed this meter to your requirements and it helps to purify our nations water, keeping the processes consistent each and every day.

Wastewater Management

Treatment facilities around the world use injected air to promote the growth of healthy micro-organisms that clean and purify our water. Without accurately monitoring the amount of air being introduced into the plant's aeration basins, our water treatment engineers cannot determine the optimum, cleanest bacterial efficiency, or the most economical quantity of process air being used. Money can be wasted or water can be left only partially treated.

The VersaMassTer[®] Flow Meter by Delta M Corporation makes an accurate determination of the air quantity that is extremely reliable over time so that the technician directing the process can be assured of a clean and consistent aeration around the clock.



Electronics

Input Power:

90 - 264 VAC or 19-36 VDC MAX

Operating Temperature Range:

14° to 140° F (-10° to 60° C)

Outputs:

Analog: dual 4 to 20 mA, isolated with external loop power.

Digital: RS485.

Switched: SPDT Relay

Pulse Output: 0 - 1 kHz

Communications:

Simple 4 button IR key pad for field configuration. Supports Modbus RTU or Modbus ASCII protocol via RS485 to host communication system.



Instrument

Accuracy:

1% of rate to +0.2% of Full Scale

Repeatability:

±0.75% of reading

Time Response:

0.5 to 30 seconds

Temperature Effect:

0.1% per degree C within ±10°C

Instrumental Enclosure:

Double sided non explosion proof (STD)

Double sided NEMA 4X(optional)

Air Mass Flow Rate Range		
Pipe Size (in)	Maximum Range	
	SCFM	Nm ³ /h
2	300	500
6	2,500	4,400
8	4,400	7,500
10	7,000	11,900
12	10,050	17,100
18	19,900	33,800
24	35,700	60,700

Features & Benefits

- No moving parts - no mechanical failures
- Direct mass flow - no secondary measurements
- Low pressure drop - no restrictions
- Wide flow range - includes low flow
- All welded sensor construction - rugged and durable

Display Features

- EASY TO READ 2.8" TFT color
- Constant Data Update - Latest and most current data
- Selectable Variables - mass flow, total flow, temperature
- IR Interface Keypad - Through-the-window control

Sensor

Physical Design:

- Shrouded for ruggedness
- Fully Penetrated welds for long life
- Wide variety of alloy materials

Temperature Rating:

- Standard: To 300 °F (150 °C)
- Optionally
- Medium: To 480 °F (250 °C)
- High: To 650 °F (350 °C)



Water Districts Also Like...

our **NEW** flow detector for highly concentrated sanitizing additives!



DML-101 (REV-12/23/15)