



- Developed for low flow gas and liquid applications where reliability and durability are mandatory
- Very low internal volume so that sample times are very short and sample system response remains quick
- All Welded Stainless Steel Construction
- For use with both the **VERSA-SWITCH**<sup>®</sup> and **microtuf**<sup>®</sup> line of DELTA M switches
- Standard operating temperature range of -100° F to 390° F
- 1/4 inch FNPT process ports that can easily be adapted to tubing by using standard fittings

# SPECIFICATIONS

## Sensor

### Type:

Thermal Differential, Dual RTD Sensors

### Process Connection:

1/4" FNPT (2) Inlet and Outlet

### Operating Temperature Range:

Standard -100°F to 390°F (-70°C to +200°C)

### Material of Construction:

Standard 316L Series Stainless Steel

### Operating Pressure Range:

Standard to 3000 psia (207 bar)

## Electronics

### Power:

Standard: 110VAC, Optionally: 220VAC, 24VDC or 24VAC at 3 watts (No heater power required)

### Operating Temperature Range:

Standard -40°F to +140°F (-40°C to +60°C)

### Outputs:

microtuf®

DPDT Relay contacts rated at 5 amp, 250 VAC with fail safe capability

### VERSA-SWITCH®

Independent primary relay DPDT and secondary relay SPDT, contacts rated at 5 amp, 250 VAC with fail safe capability; built in time delay 0 to 300 seconds for each channel

### Self-Test:

Integral and automatic during power up

### Enclosure:

Explosion proof; NEMA 3, 4X, 7, and 9; CSA, FM, UL, and EECs approved

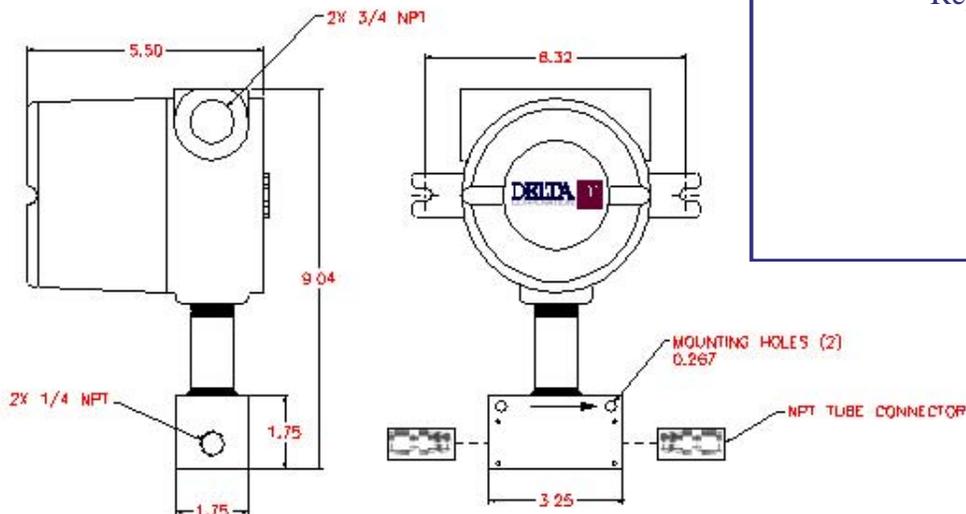
## Instrument

### Operating Range:

.33ccm to 2000ccm in liquid and 30ccm to 200,000ccm in gas

### Approvals:

Optionally CE, CSA, Class 1 Div. 1 Groups B, C, & D



# Model Number Selection Guide

### Code Model

VS5100 - Dual Channel VERSA-SWITCH

VS51NX- Dual Channel Non Explosion Proof

FS51SC - Single Channel Mass Flow Switch

FS51NX- Single Channel Flow Non Explosion Proof

FS42CS - CSA Approved Switch

FS42NX - Non Explosion Proof Switch

### Code - Process Connection

LFS - Low Flow Sensor

### Code - Sensor Material

S6 - 316L Stainless Steel (std)

### Code - Insertion Length

00.00 - None

### Code - Power Input

FLD - Field Config. (Versa only)

110 - 110 VAC

220 - 220 VAC

24D - 24 VDC

24A - 24 VAC

### Code - Configuration

LE-Local Electronics (std)

RE-Remote Electronics

### Code - Special Option

OO - No Special Option

XW- X Proof Window

PC - Potted Cable

FA - Failure Alarm  
(VS5100 Only)

RT - RTD Output

TO-Thermocouple Out

CA - Additional Cable

CE - CE Approved  
(microtuf® Only)

QD - Quick Disconnect

CB - Calibration req.

FS42CS - LFS - S6 - 00.00 - 110 -LE-00 **Model Number**

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