



Time for a New Beginning The DELTA SP76 Mass Flow Switch Helping Make Modular Sample Systems Possible

SP76 Compliant Mass Flow Switch

SPECIFICATIONS

Sensor

Type:

Thermal Differential, Dual RTD Sensors

Process Connection:

SP 76 Compliant 1.5 x 1.5 inch

Sensor Dimensions:

Height 4.4 inch

Width 1.5 inch

Length 1.5 inch

Operating Temperature Range:

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

Materials of Construction:

Standard 316L Series Stainless Steel

Operating Pressure Range:

Standard to 3000 psia (207 bar)

Electronics

Power:

Standard 110VAC Optionally 220VAC, or 24VDC 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, 4, 7, and 9; CSA, FM, UL, CENELEC, and EECS approved

Instrument

Operating Range:

Adjustable flow rate (feet per second - fps), typical: 0.01 to 5.0 fps liquids and 0.1 to 500 fps gases

Response Time:

Sensor response time 0.5 to 10 seconds media dependent

Stability:

Drift < .5% from calibrated setpoint over a range of ±50° F. Temperature compensated throughout entire range

Repeatability:

±1% of setpoint

Approvals:

Intrinsically Safe when used with IS option and proper barriers Class 1 Div. 1 Groups A,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

FS42CN - CENELEC Approved Switch

FS42NX - Non Explosion Proof Switch

Code - Process Connection

S76 - SP76 Compliant

Code - Sensor Material

S6 - 316L Stainless Steel (std)

SM - Special Material

Code - Insertion Length

000.00 - 000.00 inch (std)

Code - Power Input

FLD - Field Config. (Versa only)

110 - 110 VAC

220 - 220 VAC

24D - 24 VDC

24A - 24 VAC (Versa only)

Code - Configuration

RE - Remote Electronics

Code - Special Option

QD - Quick Disconnect
(Standard)

XW - X Proof Window

DS - Double Sided

FA - Failure Alarm
(VS5100 Only)

RT - RTD Output

TO - Thermocouple Out

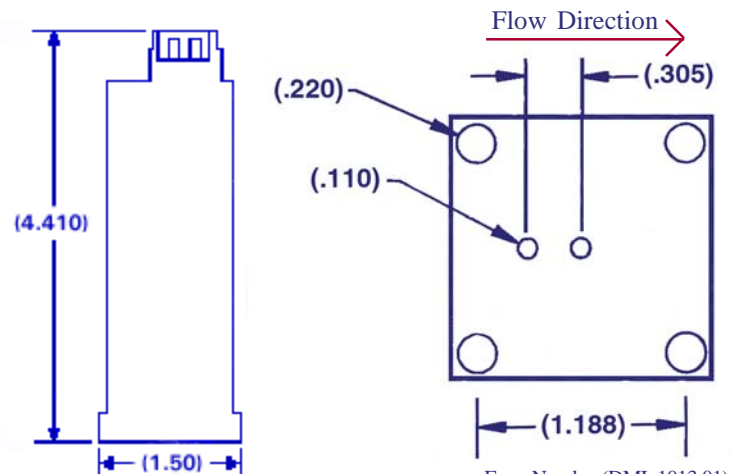
CA - Additional Cable

CE - CE Approved

NP - Pipe Connection

IS - Intrinsically Safe

FS42NX - S76 - S6 - 000.00 - 24D - RE - QD **Model Number**



Form Number (DML 1013.01)