

OUTLINE SPECIFICATION

I/O

Differential Pressure input
Upstream Static Line Pressure input
Upstream Line Temperature input
Upstream Density input

Operator/Calibration Parameters

Venturi Tube Calibration Diameter and Temperature
Venturi Tube Expansion Factor
Pipe Calibration Diameter and Temperature
Pipe Expansion Factor
Isentropic Exponent
Dynamic Viscosity
Relative Density
Specific Heat Ratio

Calculations

Mass Flowrate
Standard Volumetric Flowrate
Corrected Venturi tube and Pipe Diameters
Pressure Ratio
Diameter Ratio
Expansibility Factor
Discharge Coefficient
Reynolds Number
Downstream Static Line Pressure
Upstream Line Temperature

Alarms

Diameter Ratio out of Range (Beta)
Reynolds Number out of Range

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