

P & T COMPENSATED TRANSMITTER WITH MODBUS

Special Features:

Vortex Flow Meter with Pressure and Temperature Compensation
 High Accuracy with High Repeatability with Digital Communication
 Unique Gasket Free Design Ensuring a Clog Free Process
 No Moving Parts, Reducing the Maintenance
 Works with Air, Saturated and Super heated Steam and Liquids
 Optionally available for High Pressure Applications



Applications:

LF8210 Vortex Flow Meter with new engineering innovations, consists of separate temperature and pressure sensors to monitor the changes in the real time, providing the best accuracy, even in applications to measure saturated steam. A perfect answer to almost any application, regardless of size (From 15MM to 400MM), LF8210 withstands the rigors of industrial demands. With Modbus output, it can communicate universally to display real time temperature, pressure, instantaneous flow, totalize flow.

Performance Specifications:

Media	: Steam (Saturated / Super Heated), Air, Gas, Liquids
Line Size	: 15MM to 400MM
Accuracy	: $\pm 0.5\%$ For Liquids $\pm 1.0\%$ For Gases, Steam
Repeatability	: $\pm 0.3\%$ For Liquids $\pm 0.5\%$ For Gases, Steam
Output	: 4 - 20mA, 2 Wire with Modbus RS485 RTU
Power Supply	: 24VDC
Media Temperature	: - 40 °C to 250 °C / Optional -40 °C to 350°C
Ambient Temp.	: - 40 °C to 85°C
Maximum Pressure	: 16 Bar
Sensor MOC	: AISI 304SS (Other Materials Optional)
Protection Grade	: IP65
Display	: In Built LCD Display
Units	: m ³ /h, m ³ /m, l/h, l/m, t/h, t/m, kg/h, kg/m

Advantages of LF8210:

Separate Pressure and Temperature Sensors to monitor real time changes.
 Low Cost of Installation
 Pre Calibrated at Factory, No Field Calibration Required
 Very Low Pressure loss results in considerable energy savings
 Zero Maintenance as there are no moving or rotating parts
 True Volumetric Output is available from the Flow Indicator
 Modbus connectivity for BMS Integration

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HOW TO ORDER

Media Temperature:

LF8210

- 01 -40 ~ 100°C (-40 ~ 250°C for steam)
- 02 -40 ~ 350°C

01

Accuracy:

- 01 ±1.0% of F.S
- 02 ±1.5% of F.S

01

Connection Type:

- 01 Wafer Type
- 02 Flange Type

01

Aperture Size (Line Size):

- | | |
|----------------|-------------|
| 015 1/2 Inch | 100 4 Inch |
| 020 3/4 Inch | 125 5 Inch |
| 025 1 Inch | 150 6 Inch |
| 032 1 1/4 Inch | 200 8 Inch |
| 040 1 1/2 Inch | 250 10 Inch |
| 050 2 Inch | 300 12 Inch |
| 065 2 1/2 Inch | 350 14 Inch |
| 080 3 Inch | 400 16 Inch |

100

Ordering Example : LF8210-01-01-01-100