OMICRON

F8100
VORTEX FLOW METER

PRECISE VORTEX FLOW TRANSMITTER

Special Features:

Intelligent Vortex Flow Meter with Optional HART
High Accuracy with High Repeatability
Wide Measurement Range, upto 10:1
No Moving Parts, Reducing the Maintenance
Works with Air, Saturated and Super heated Steam and Liquids
Optionally available for High Pressure Applications

Applications:

F8100 Vortex Flow Meter with new engineering innovations, has all the desired features to ever changing needs of industries like Paper, Cement, Textile, Power, Pharmaceutical, Process, Dairy and Water Management.
A perfect answer to almost any application, regardless of size (From 15MM to 3000MM), F8100 withstands the rigors of industrial demands.

Performance Specifications:

Media	: Steam (Saturated / Super Heated), Air, Gas, Liquids
Line Size	: 25MM to 400MM
Accuracy	: ±1.0% For Liquids
	±1.5% For Gases, Steam
Repeatability	: ±0.3% For Liquids
	±0.5% For Gases, Steam
Output	: 4 - 20mA, 2 Wire (Optional with HART)
Power Supply	: 12VDC / 24VDC / Li-on 3.6V 14Ah
Media Temperature	: - 40 °C to 250 °C / Optional -40 °C to 350 °C
Ambient Temp.	: - 40 °C to 85 °C
Maximum Pressure	: 25 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 F8100:

Proven High Reliability with More than 15 years of Experience
Low Cost of Installation
Pre Calibrated at Factory, No Field Calibration Required
Very Low Pressure loss results in considerable enery savings
Zero Maintenance as there are no moving or rotating parts
True Volumetric Output is available from the Flow Indicator

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HOW TO ORDER

F8100

Output:

01

- 01 4 - 20mA
- 02 4 - 20mA with HART
- 03 Modbus RS485

Power Supply:

02

- 01 Li-ion 3.6V 14Ah
- 02 24V DC

Media Temperature:

01

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

Accuracy:

01

- 01 ±1.0% of F.S
- 02 ±1.5% of F.S

Connection Type:

01

- 01 Wafer Type
- 02 Flange Type

Aperture Size (Line Size):

100

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

Ordering Example : F8100-01-02-01-01-01-100