

INSERTION VORTEX FLOWMETERS

PART NO. 0914-□□□□□□□□□□

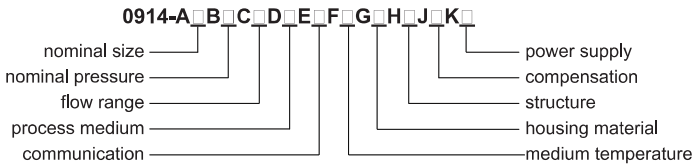
CUSTOMIZABLE

- Suitable for flow measurement of various media including gases, liquids and steam in large bore industrial pipelines
- Measures and displays total flow, instantaneous flow, and percentage of full scale
- Low pressure loss, structurally stable, and easy to install and maintain
- Outputs a pulse frequency signal with strong interference resistance
- Stable performance and long service life



0914-A4B1C1D3E1F1G1H1J1K1

Part No. explanation:



Part No. example:

0914-A4B1C1D3E1F1G1H1J1K1	A4-nominal size: 8"
	B1-nominal pressure: ANSI 150#
	C1-flow range: standard range
	D3-process medium: general gas
	E1-communication: RS485
	F1-medium temperature: -40°F~482°F
	G1-housing material: SUS304
	H1-structure: integrated
	J1-compensation: without
	K1-power supply: DC24V

SPECIFICATION

Structure	integrated	separated (standard cable length 32.8ft, customizable)
Process medium	liquid, gas, steam	
Measuring range ratio	1:10 (standard air condition as reference), 1:15 (liquid)	
Flow range	standard range, extended range (optional)	
Velocity	liquid: 1.31ft/s~22.96ft/s, gas: 13.12ft/s~196.85ft/s, steam: 16.40ft/s~229.65ft/s	
Accuracy	±2.5%	
Nominal diameter	4"~12"	
Connection type	insertion	
Nominal size	ANSI 150# DIN PN6/PN10/PN16 JIS 5K/10K/16K (optional, other pressures are customizable)	
Housing material	SUS304, SUS316 (optional)	
Signal output (volumetric flow)	current: 4mA~20mA (passive output), pulse (passive output)	
Communication	RS485, HART (optional)	
Medium temperature	-40°F~482°F, -40°F~662°F (optional)	
Protection grade	IP65 transmitter+IP65 sensor	
Compensation	without, with temperature and pressure compensation (optional)	
Power supply	DC24V, 3.6V lithium battery, AC110V~240V, 50/60Hz (optional)	
Operation condition	temperature: -4°F~149°F, humidity: 5%RH~85%RH, atmospheric pressure: 12.47psi~15.37psi	

NOMINAL SIZE

A1	4"
A2	5"
A3	6"
A4	8"
A5	10"
A6	12"

FLOW RANGE

C1	standard range
C2	extended range

HOUSING MATERIAL

G1	SUS304
G2	SUS316

PROCESS MEDIUM

D1	saturated steam
D2	superheated steam
D3	general gas
D4	liquid

STRUCTURE

H1	integrated
H2	separated (converter display)
H3	separated (flow totalizer remote display)

NOMINAL PRESSURE

B1	ANSI 150#
B2	DIN PN6
B3	DIN PN10
B4	DIN PN16
B5	JIS 5K
B6	JIS 10K
B7	JIS 16K

COMMUNICATION

E1	RS485
E2	HART

COMPENSATION

J1	without
J2	with temperature and pressure compensation

MEDIUM TEMPERATURE

F1	-40°F~482°F
F2	-40°F~662°F

POWER SUPPLY

K1	DC24V
K2	3.6V lithium battery
K3	AC110V~240V, 50/60Hz (flow totalizer remote display)

FLOW RANGE

Nominal size	Liquid (Reference medium: normal temperature water)		Gas (Reference medium: Gas at 68°F and 14.7psi)	
	standard range (GPM)	extended range (GPM)	standard range (CFM)	extended range (CFM)
4" (100 mm)	52.8~880.6	35.2~1100.7	70.6~706.3	58.9~1177.2
5" (125 mm)	88.1~1320.9	52.8~1761.1	94.2~941.7	88.3~1765.7
6" (150 mm)	132.1~1761.1	79.3~2641.7	147.1~1471.4	117.7~2354.3
8" (200 mm)	220.1~3522.3	132.1~5283.4	235.4~2354.3	206.0~4708.6
10" (250 mm)	352.2~5283.4	176.1~7044.6	353.1~3531.5	294.3~7062.9
12" (300 mm)	440.3~7044.6	264.2~11007.2	588.6~5885.8	353.1~9417.2