



FLOW



# Vortex Mass Flowmeter

# Tek-Vor 1300C

## 1 FEATURES

- High stability and accuracy.
- Unique Dual Sensor design.
- Special signal processing method providing better anti-vibration.
- Reliable performance.
- Low Maintenance.
- Calculates Density and Mass Flow.
- Self-diagnostic function.
- More reliable performance.
- Optional Bluetooth function- read flow rate on smart phones.
- Optional multivariable version.
- In-built RTD and Pressure Sensor with display and measurement for flow rate, velocity, temperature, pressure, mass flow rate and density.

## 3 APPLICATIONS

- Food and Beverages
- Water, wastewater treatment plants
- Process industry
- Petrochemical
- Pharmaceutical industries

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## 2 SPECIFICATION

Nominal diameter	1" to 12" (0.04 ft to 1 ft)		
Measurement range in Ft/sec (m/s)	Size	1" (0.08 ft)	1 ½" to 12" (0.12 to 1 ft)
	Fluid Flow Rate	Steam	13.12 to 229.6 ft/sec (4 to 70 m/s)
		Gas	13.12 ft/sec to 196.85 ft/sec (4 to 60 m/s)
		Liquid	0.98 to 22.96 ft/sec (0.3 to 7 m/s)
Accuracy	±1% of Reading For Multivariable Version: Temperature ±1 °F, Pressure: 0.75% FS		
Repeatability	0.3% of Reading		
Output	4 to 20 mA and Pulse 4 to 20 mA, Pulse and HART 4 to 20 mA, Pulse and RS485 modbus		
Maximum process pressure limit	CL150 ANSI Flange, CL300 ANSI Flange		
Process temperature range	-40 °F to 302 °F (-40 °C to 150 °C) or -40 °F to 482 °F (-40 °C to 250 °C) or -40 °F to 662 °F (-40 °C to 350 °C)		
Ambient humidity	5 to 100% RH		
Process connection	Wafer, CL150 ANSI Flange, CL300 ANSI Flange		
Electrical connection	½" NPT		
Material	304 SS, 316 SS		