



FLOW



Technology Solutions



Coriolis Mass Flowmeter

Tek-Cor 1100A

1 FEATURES

- Suitable for aggressive and contaminated media.
- Measurement and Display of percent water-cut for oil or water mixtures.
- High Phase Shift Frequency.
- Measuring tubes vibrated at natural frequency.
- Higher Sampling and Digital Filtering.
- Short response time.
- No moving parts.
- Full Sensor Diagnostics.
- Measures mass flow, density, temperature, and volume flow with high accuracy.
- OLED with 2 line display.
- Multiple Flange (150# To 900#) and Process Connections.
- Net Oil Measurement.
- Density accuracy upto 0.001 g/cm³.
- Suitable for harsh conditions.
- Process Temp Ranges From -200 to 300°F.
- UI Class I Div I and NTEP Approved.

3 APPLICATIONS

- Dairy plants
- Oil and Gas
- Process industry
- Chemical
- Food and Pharma

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2 SPECIFICATION

Repeatability	±0.05% (for 0.1% accuracy), ±0.1% (for 0.2% accuracy) or ±0.25% (for 0.5% accuracy)	
Accuracy	±0.1%, ±0.2% or ±0.5%	
Density Accuracy	0.001 g/cm ³	
Sensor options	U-series shaped/Micro-bend shaped/Triangle shaped	
Process media	Liquid, Gas	
Transmitter	Digital type/Analog type	
Power supply	18-28 VDC or 85-220 VAC	
Maximum pressure	3770 PSI (26 MPa)	
Output signal	4-20 mA and pulse, Optional: HART or Modbus RS485	
Process connections	DIN, ANSI flanges	
Electronics	Direct mount or Remote mount	
Diagnostic functions	Reset totalizer	
Graphic display	OLED	
Operating elements	3 optical keys for operator	
Additional features	Low flow cut-off, Oil and water content analysis, Zero calibration, Flow calibration, Long-term stability, Zero point adjustment, Conforms IEC 61362 (Industrial) EMC directive, Useful for all type of sensors i.e. U-shaped, Triangle shaped, Micro-bend shaped	
Temperature range	Direct mount	-58 °F to 257 °F (-50 °C to 125 °C)
	Remote mount	-58 °F to 392 °F (-50 °C to 200 °C)
Process medium temperature	Up to -200 °C	