



FLOW



Technology Solutions



Coriolis Mass Flow Meter

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.
- OLED with 2 line display.
- Multiple Flange (150# To 900#) and Process Connections.
- Net Oil Measurement.
- Density accuracy upto 0.001 g/cm³(Consult Factory for better).
- Suitable for harsh conditions.
- Process Temp Ranges From -200 to 300°F.
- UI Class I Div I and NTEP Approved.
- Certified for use in Fiscal and Custody Transfer Applications.

3 APPLICATIONS

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

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2 SPECIFICATION

Accuracy	±0.05%, ±0.1%, ±0.2% or ±0.5%	
Density Accuracy	0.001g/cm ³ (Consult Factory for Better)	
Repeatability	± 0.05% (for 0.1% accuracy), ± 0.1% (for 0.2% accuracy), ±0.25% (for 0.5% accuracy) or ± 0.05% (for 0.05% accuracy)	
Sensor Type	Standard, U Tube, Nano, Super Bend, Straight Tube, Dual Path	
Process Media	Liquid or Gas	
Transmitter	Digital type/Analog type	
Power Supply	18-28VDC, 85-220VAC	
Maximum Pressure	For ¾" to ½"	3600psi (25MPa),
	For 1"	2300psi (16MPa)
	For 1 ½" to 2"	1500psi (10MPa)
	For 3" to 4"	900psi (6MPa)
	For 6" to 24"	580psi (4mpa)
Signal Output	4-20 mA and Pulse , Optional: HART, Modbus RS485 or Ethernet	
Process Connections	DIN, ANSI Flanges, NPT, Flare, Tri-Clamp	
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-Tube, Nano, Standard	
Temperature Range	Direct Mount	-60°F to 260°F (-50°C to 125°C)
	Remote Mount	-300°F to 400°F (-180°C to 200°C)