FLOW

Electromagnetic Flowmeter

Tek-Flux 1400A

TEKTROL
Technology Solutions

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1 FEATURES

- Wide range of nominal diameter Size ½" to 28" (0.04 ft to 2.29 ft) with IP68 protection
- Easy maintenance due to no moving parts
- Uninfluenced by temperature, pressure, viscosity, and density
- High turndown ratio up to 1:100
- It has multiple signal output, pulse or Modbus RS485 or HART® or 4 to 20 mA
- Features SMART excitation, which ensures zero-point stability, high reliability, and low power consumption
- Meters batching and blending totalization

3 APPLICATIONS

- Distilleries
- Water and wastewater industries
- Food and beverage
- Pharmaceutical
- Chemical industries

2 SPECIFICATION

Accuracy	±0.5%		
Repeatability	0.15%		
Ambient temperature	Sensor (Remote type)	-4 °F to 158 °F (-20 °C to +70 °C)	
	Converter	-4 °F to 122 °F (-20 °C to +50 °C)	
	Integral Type	14 °F to 122 °F (-10 °C to +50 °C)	
Humidity	5% to 95% RH (no frost)		
Vibration frequency	55 Hz		
Amplitude	0.55 mm		
Ambient magnetic field	≤400 A/m		
Fluid temperature	Direct mount	≤176 °F (80 °C)	
	Separate type	Rubber lining	≤176 °F (80 °C)
		PTFE lining	≤248 °F (120 °C)
Nominal pressure	150 psi for ½" to 6" 232 psi for 8" to 24" 145 psi for 28" to 40"		
Power supply	18 to 28 VDC, 85 to 220 VAC		
Enclosure	IP68		
Output signal	Pulse and 4 to 20 mA or modbus RS485 or 4 to 20 mA with HART		
Alarm	Normally open		
Electrode material	Stainless steel, Hastelloy C		
Lining material	PTFE and synthetic rubber		
Flange material	Carbon steel		
Measuring tube material	Stainless steel		
Conductivity	≥5 µs/cm		
Process connection	#150 ANSI or AWWA flanges		
Mounting orientation	Horizontal or vertical		