FLOW

Ultrasonic Clamp-On Flow Meter

Tek-Clamp1200-100EXP

TEKTROL
Technology Solutions

1 FEATURES

- Better than ±1.0% accuracy.
- Pipe diameters from ½" to 200".
- Protection class: IP65
- UL Class I Div ll approved.
- Power Supply DC 8-36 VDC.
- LCD 2 x 20 letters.

3 APPLICATIONS

- Power plants
- Water, wastewater treatment plants
- Mining and metallurgy plants
- Petroleum process monitoring and control
- Chemical process monitoring and control

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2 SPECIFICATION

	Parameters	Specication
Main Unit	Accuracy	±1% of Reading
	Velocity	±0.03 to ±100 ft/s (±0.01 to ±30m/s)
	Repeatability	0.2%
	Measurement Period	0.5 Seconds
	Measurement Principle	Transit-time measurement principle
	Display	LCD 2 x 20 letters
	Output	Modbus RS485 4-20 mA, Pulse
	Other functions	Automatically stores the memory of the positive, negative, net totalizer flow rate and heat quantity of the last 512 days, 128 months, 10 years
	Power	8 to 36 VDC
	Power Consumption	Less than 1.5W
	Environment Temperature	-22 °F to 176 °F (-30 °C to 80 °C)
	Environment Humidity	85% RH
	Protection Class	IP65
		IP68, can work in water with depths less than 10' (3 m)
	Approvals	UL Class I Div ll
Transducers	Clamp-On	S2-type: for pipe size ½" to 4" M2-type: for pipe size 2" to 28" L2-type: for pipe size ½" to 200"
Liquids	Types	Virtually all commonly used clean liquids. Liquids with small quantity of tiny particles may also be applicable. Particle size should be less than 75 um, particle concentration less than 20,000 ppm. Liquids should contain no or very minor air bubbles.
	Process Temperature	-40 °F to 320 °F (-40 °C to 160 °C)
Pipe	Pipe Material	All metals ,most plastics, fiber glass, etc.
	Pipe Size	½" to 200"
	Pipe Straight Run	More than 10D for upstream, more than 5D for downstream