



FLOW



Technology Solutions



Handheld Ultrasonic Flow Meter

Tek-Clamp 1200A-100H

1 FEATURES

- Better than $\pm 1.0\%$ accuracy.
- Pipe diameters from 1" to 28".
- Protection class: IP67 for Flow Transducer.
- 4x4 Key Touch Membrane Keypad.
- 3 AAA built-in Ni-MH batteries 1.2V (for over 12 hours of operation). 90V-260V AC Adapter.
- 4x16-character LCD with backlight.

3 APPLICATIONS

- Power plants
- Water and Wastewater treatment plants
- Mining and Metallurgy plants
- Petroleum process monitoring and control
- Chemical process monitoring and control

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2 SPECIFICATION

Parameters		Specification
Main Unit	Accuracy	$\pm 1\%$ of reading at rates >0.2 mps
	Velocity	0.03 to 100ft/sec
	Repeatability	0.2%
	Measurement Period	0-999 seconds, user-configurable
	Measurement Principle	Transit Time Ultrasonic Flow Meter
	Weight	Portable transmitter weight 514g Package with accessories weight 6kg Volume weight for whole package 12kg
	Power	100H 3 AAA built-in Ni-MH batteries 1.2V (for over 12 hours of operation) 90V-260V AC adapter
	Power Consumption	1.5W
	Environment Temperature	Converter: -4°F to 140°F (-20 to 60°C) Flow Transducer: -22°F to 320°F (-30 to 160°C)
	Environment Humidity	Converter: 85% RH
Transducers	Protection Class	Flow Transducer: IP67
	Clamp-On	HS-type: for pipe size $\frac{1}{2}$ "- 4" (12.5mm -100 mm) HM-type: for pipe size 2"- 28" (50mm- 700 mm) Other pipe size available on request
Liquids	Types	Following Liquids transmit sound wave: <ul style="list-style-type: none"> • Single liquid such as, Water (Hot water, Chilled water, City Water, Sea Water, Wastewater, etc.) • Sewage with small particle content • Oil (crude oil, lubricating oil, diesel oil, fuel oil, etc.) • Chemicals (alcohol, etc.) • Plant Effluent • Beverage • Ultra-pure liquids
	Process Temperature	-22°F to 320°F (-30°C to 160°C)
	Pipe Material	Steel, Stainless Steel, Cast Iron, Copper, Cement Pipe, PVC, Aluminum, Glass Steel Product, Liner is allowed
Pipe	Pipe Size	1/2" to 28"
	Pipe Straight Run	Transducer installation should be satisfied: upstream10D, downstream 5D, 30D from the pump
	Dimensions	8"X 3 $\frac{3}{4}$ " X 1 $\frac{1}{4}$ " (200 X 93 X 32mm) (Converter)