



FLOW

# Handheld Ultrasonic Flow Meter

## Tek-Clamp 1200A-100H



Technology Solutions



### 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

### CONTACT US



### 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: $-4^{\circ}\text{F}$ to $140^{\circ}\text{F}$ ( $-20$ to $60^{\circ}\text{C}$ ) Flow Transducer: $-22^{\circ}\text{F}$ to $320^{\circ}\text{F}$ ( $-30$ to $160^{\circ}\text{C}$ )
	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"> <li>• Single liquid such as, Water (Hot water, Chilled water, City Water, Sea Water, Wastewater, etc.)</li> <li>• Sewage with small particle content</li> <li>• Oil (crude oil, lubricating oil, diesel oil, fuel oil, etc.)</li> <li>• Chemicals (alcohol, etc.)</li> <li>• Plant Effluent</li> <li>• Beverage</li> <li>• Ultra-pure liquids</li> </ul>
	Process Temperature	$-22^{\circ}\text{F}$ to $320^{\circ}\text{F}$ ( $-30^{\circ}\text{C}$ to $160^{\circ}\text{C}$ )
Pipe	Pipe Material	Steel, Stainless Steel, Cast Iron, Copper, Cement Pipe, PVC, Aluminum, Glass Steel Product, Liner is allowed
	Pipe Size	1/2" to 28"
	Pipe Straight Run	Transducer installation should be satisfied: upstream 10D, downstream 5D, 30D from the pump
	Dimensions	8"X 3 3/4" X 1 1/4" (200 X 93 X 32mm) (Converter)

Flow | Level | Temperature | Pressure | Valves | Analyzers | Accessories | TekValSys

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