

Eesiflo Easz-10FP hand held transit time meter for liquids



EESIFLO's hand held transit time meter for liquids is an excellent tool for engineers and technicians wishing to know the liquid flowrate in a pipe without cutting into it or stopping the process.

Simply strap the lightweight meter to your shoulder and navigate tight spots and high places without having to worry about carrying a heavy load !! The 10FP will not only give you meaningful measurements within minutes, but can also keep the data you need in its logger memory for printing or downloading in a more convenient environment.

The 10FP comes with everything you will need to conduct a meaningful survey . This includes standard features such as a thickness gage, inbuilt datalogger , 30 ft pair of transducer cables, analog outputs with cables , carrying case and transport case. You can also chose between standard clamping tracks or quick mount transducer devices.



Components



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Features

Lightweight and Compact

Reduced weight and size make the EASZ-10FP easy to transport and use.

Accurate Flow Measurements

Using Transit-Time technology and advanced algorithms To disregard error signals, the EASZ-10FP has an accuracy of $\pm 1\%$



Ease of Operation

The EASZ-10FP's straightforward, interactive operating format and cleverly designed mounting fixtures simplify installation and operation.

Pipe Wall Thickness Measurement

Pipe Wall Thickness Measurements is a standard feature of the EASZ-10FP



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Features

Sound Velocity Measurement

Measurement of the fluids Sound Velocity is a standard feature of the EASZ-10FP.

Rechargeable Internal Battery

The EASZ-10FP can operate from AC Power or from an internal rechargeable battery.

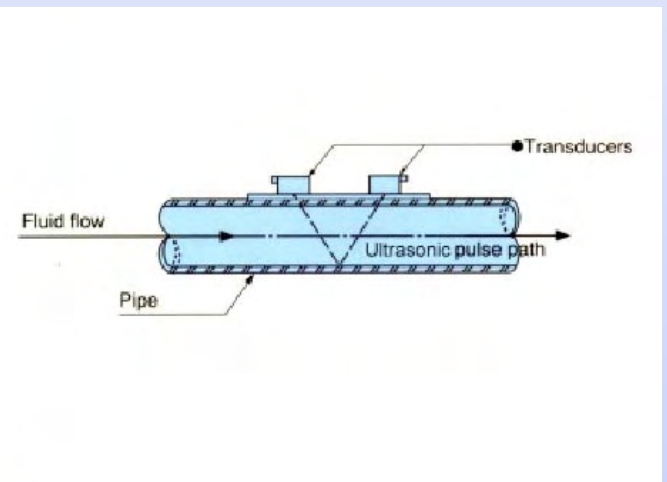


Excellent Tool for Maintenance Engineers

The EASZ-10FP is a convenient hand-held tool for maintenance engineers and technicians who need to know liquid flow rates without cutting pipes.

Measurement Principle

Flow Velocity is calculated by the EASZ-10FP by measuring the difference in the transmitted waves travel time both upstream and downstream. The cross sectional area of the pipe is factored into the equation to produce the measured flow rate for the pipe.



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Specifications

1	Fluids	Types Temperature range Turbidity	Any Homogeneous and Sonically Conductive Liquid -4 to 250 °F 10,000 mg/l or less recommended for optimum performance	
2	Pipes	Types Diameter Lining Minimum Straight pipe	Carbon steel, stainless steel, cast iron, plastic, copper, ductile, etc. *Standard transducers = 2 to 40 inches Small transducers for = 1/2 to 4 inches (8 inches possible) Large transducers for = 12 to 196 inches (For larger pipes please consult factory) Tar, Epoxy Resins, Metal, etc. Upstream side = 10 X Pipe diameter Downstream side = 5 X Pipe diameter	
3	Measuring range	Velocity	-65 to +65 feet/second	
4	Accuracy	Pipe Diameter 1/2 to 4 inch (8 possible) 2 to 40 inch 12 to 196 inch	Flow Rate > 3 feet/sec ±2.0% ±1.5% ±1.0%	Flow Rate < 3 feet/sec ±0.787 inches/sec ±0.591 inches/sec ±0.394 inches/sec
5	Measuring method		Transit time	
6	Output signal	Analog output Output items Single output format Dual output format Digital output output items output format Printer output output items	Instantaneous flow rate 4 ~ 20 mA DC (600 ohm or less, non-isolated) (selectable) 1 ~ 4 ~ 20 mA DC (600 ohm or less, non-isolated) (selectable) Measuring time, instantaneous/ rate, integrated contra-flow rate, error codes (selectable) Via RS232C interface Measuring time, instantaneous/ rate, integrated contra-flow rate, error codes (selectable)	
7	Display	Content Format	Instantaneous flow rate/instantaneous velocity 4 digits, integrated flow rate 6 digits, flow/contra-flow (trend graph), item setting and data set, self-diagnosis results. 128 X 128 Dot matrix	
8	Settings	Method Items	Interactive key input Pipe data settings, analog output, digital output, etc.	
9	Wall Thickness measurement	Range Setting range	0.06 to inches (steel) 1640 to 32,805 feet/sec	
10	Speed of Sound Range	Range	328 to 9842 feet/sec	
11	Memory back up	Built-in lithium battery, integrated flow rate data, measurement setting data, logging data and measured data for 5 years		
12	Logging function	Stores approx. 55,000 items (measuring time, instantaneous rate, integrated rate, integrated contra rate, error codes)		
13	Power Supply	Power source 11~ 30 V DC Battery 7.2 V DC (7.5 hours) AC adapter	output voltage input voltage	12V DC @ 11 VA * Battery recharge time ~ 4 hours. 1. 100/120 VAC 50/60 Hz (selectable)
14	Power consumption	Approx. 3 Watts (on battery) Approx. 10 Watts (12 VDC include battery recharging)		
15	Temperature range	-15 ~ +125 °F		
16	Humidity	90% RH or less (no condensation)		
17	Weight	Approx. 2.8 pounds (with battery)		