

TR600H

ULTRASONIC CLAMP-ON FLOW METER

INTRODUCTION

TR600H is a handheld battery operated Ultrasonic Flow meter.

It is a versatile flow meter for flow metering surveys of liquids in following application areas:

Raw Water (Pumping stations Water Drawl Metering)

Chilled water (HVAC plant efficiency monitoring)

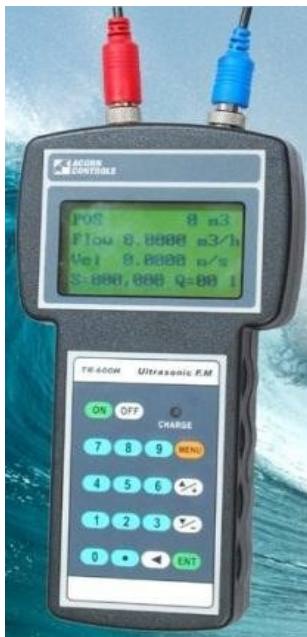
Potable water (Water Distribution network Survey)

D.M. water (Flow metering without contacting the high purity water)

Oils/Organic solvents/Hydrocarbons (Monitor these for energy studies)

Using time proven Ultrasonic Transit time flow metering principle, TR600H achieves a flow metering for pipes ranging from 15 mm to 3000 mm. It is also an ideal instrument for energy audit requirements.

TR600H is battery operated and comes with a portable carry-case including Hand Held instrument with Clamp-on Sensor, battery charger, cables and transducer clamps and is compatible with almost all pipe materials found in industry.



FEATURES

Choice of Three Transducers

TS2= 15 mm to 100 mm

TM1= 50 mm to 700 mm

TL1= 300 mm to 3000 mm

Choice of Liquid Temp.

Standard Temp (-30 to 90 °C)

Extended Temp (-30 to 160°C)" add suffix "H"

Built-in Data Logger

Optional

PC Down Load Utility for Logged Data and USB interface

High Reliability & Long life, Excellent application & Service supported by flow metering experts.

| SPECIFICATIONS | |
|----------------|---|
| Accuracy | Typically $\pm 1\%$ above 0.5m/s Max $\pm 2\%</math>.$ |
| Linearity | $\pm 0.5\%$ or better |
| Repeatability | $\pm 0.2\%$ or better |
| Damping | 0-999 seconds, user-settable |
| Velocity | ± 0.1 to ± 32 mtrs/s bi-directional |
| Pipe Sizes | DN -15mm to 3000mm (with appropriate Transducers) |

| | |
|------------------------------|--|
| Pipe Material | All metals, most plastics & lined pipe |
| Units | Metric or English (U.S.) settable |
| Totalizer | 7-digit totals for net, positive and negative flow |
| Liquid Types | Virtually all clean liquids and liquids with minor solids (<10,000ppm). Full pipe Liquid |
| Temp. ratings of transducers | -30°C - 90°C for TS2, TM1 ,TL1 -30°C to +160°C for TS2H and TM1H |
| Transducers Site Data | Repeatedly used Setup values can be memorized for quick set-up |
| Display | 4 lines x16 character Back-lit Alphanumeric |
| Computer Interface | RS232C (USB cable with Data Down load utility-Optional as per order) |
| Transducer Cable | Standard 2 x 5m long |
| Power | Internal rechargeable battery. When fully recharged it will last ~ 6 hours of operation. AC Adapter supplied for charging and continuous use. |
| Data Logger | upto 2000 characters of data |
| Weight | Hand held unit : ~0.6kg Full Unit with Carry Case : ~6.5kg |
| Transducer options | TS2 & TS2H types for 15mm to 100 mm pipes TM1 & TM1H types for 50mm to 700 mm pipe TL1 type for 300 mm to 3000 mm (Please select one or more transducers as per your needs) |



Complete Kit in Standard Carrying Case

Optional Rugged & Compact Case

Manufactured By :

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Marketed By :

Specifications subject to change due to continuous development .Please confirm before ordering.