

ULTRASONIC FLOW METERS



FLOW MEASUREMENT TECHNOLOGY FOR

**ALL PROCESS INDUSTRY
WATER INDUSTRY
CHEMICAL INDUSTRY
MANUFACTURING UNITS
FOOD INDUSTRY
TEXTILE INDUSTRY
STEEL / CEMENT INDUSTRY
OIL INDUSTRY**

PRODUCT DETAILS



INTRODUCTION

SI-732 & SI-603 are full function portable transit-time ultrasonic flow meter. No matter you want to quickly verify the flow reading of another meter or to datalog flow system values over and extended time period. The design includes matched precision transducers and signal processing circuitry to accurately measure the flow of most liquids over a wide range of velocities.

STACK

Clamp-On transducers create no wear , zero pressure loss and do not require process interruptions to install them since they are attached to outside of pipe.

The meter can e easily moved and installed in different pipes and conventional to carry site to site.

Its portability makes it excellent choice for measuring flows throughout the plumbing infrastructures to verify pump and valve performances.

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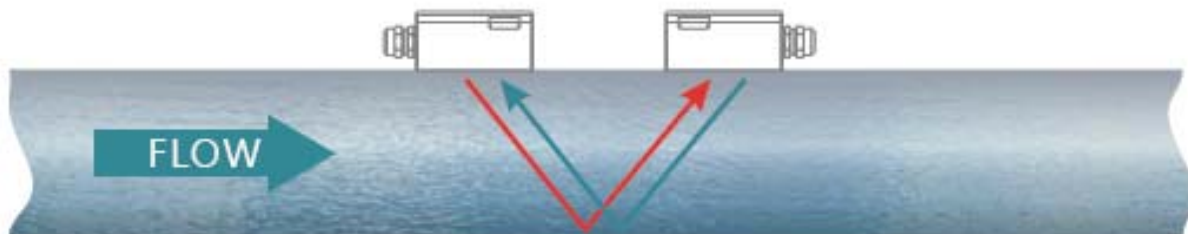
Features

1. Easy to Install.
- 2.Reduced Installation Time & Cost
3. Can be used as portable enegy meter With optional temperature sensor.
4. Powerful data storage.
5. Supports Data sheet analysis software.



Measuring Principle

Transit Time technology utilizes ultrasonic waves transmitted and received through moving liquid. The difference between upstream and downstream transit time can be used to calculate flow and velocity.



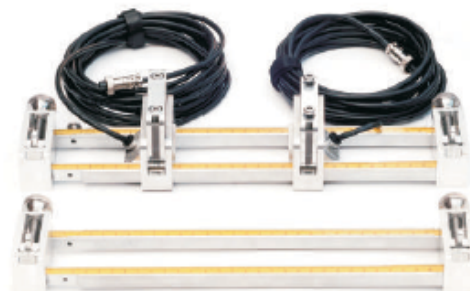
An ultrasonic meter equipped with heat flow capabilities , measures the retained quantity of heat delivered or removed from devices such as heat exchanges. By measuring the volumetric flow rate of heat exchangers liquid, the temperature at inlet pipe and outlet pipe, the energy usage can be calculated.

SPECIFICATIONS

Flow Range	: +0.03 ft/s ~ +40 ft/s (+0.01m/s ~ +12 m/s)
Accuracy	: +1 % of Measured Value
Pipe Size	: Clamp-On: 1" ~48" (25 mm ~ 1200mm)
Fluid	: Single Medium Liquid
Pipe Material	: Carbon Steel, Stainless Steel, PVC and other Compact material.
Outputs	: Analog Output: 4~20mA, Max 750 Ohm Modbus Rs485
SD Card	: 16 Gb
Interval	: 1 ~ 99999 Seconds
Keyboard	: Digital Keys
Display	: 240 * 128 back lit LCD
Power Supply	: Rechargeable Lithium Battery Power 3000mAh (Continues Operation 16 Hours)
Temperature	: Transmitter: -40 C to ~ 60 C Transducers: Standard : -40 C to 80 C Optional : -40 C to 130 C
Humidity	: Up to 99% RH, non-condensing
Transmitter	: NEMA13, Ip54.
Transducer	: Encapsulated design, Ip68
Transducer Cable:	Standard Cable Length



Single guide mounting type bracket (Code ST)

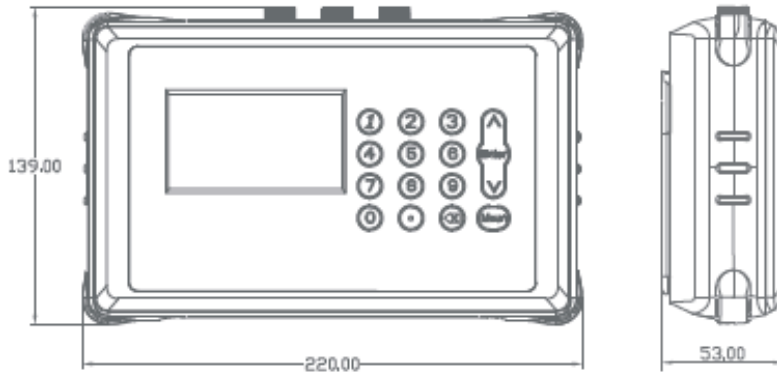


Dual guides mounting type bracket (Code DT)

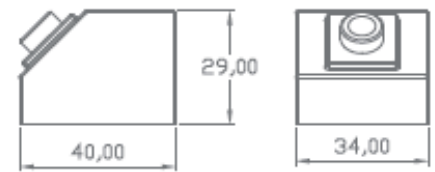
STACK

SIZE

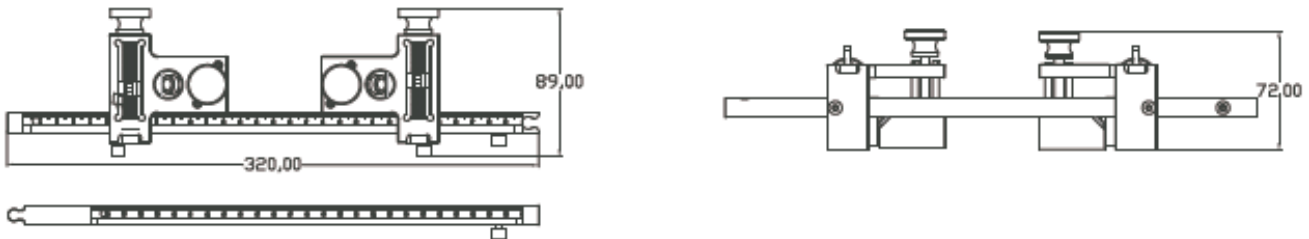
Transmitter size



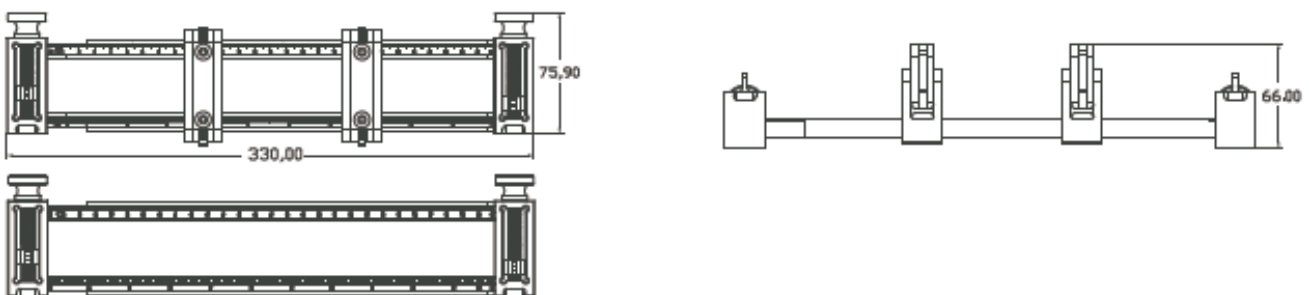
transducer size



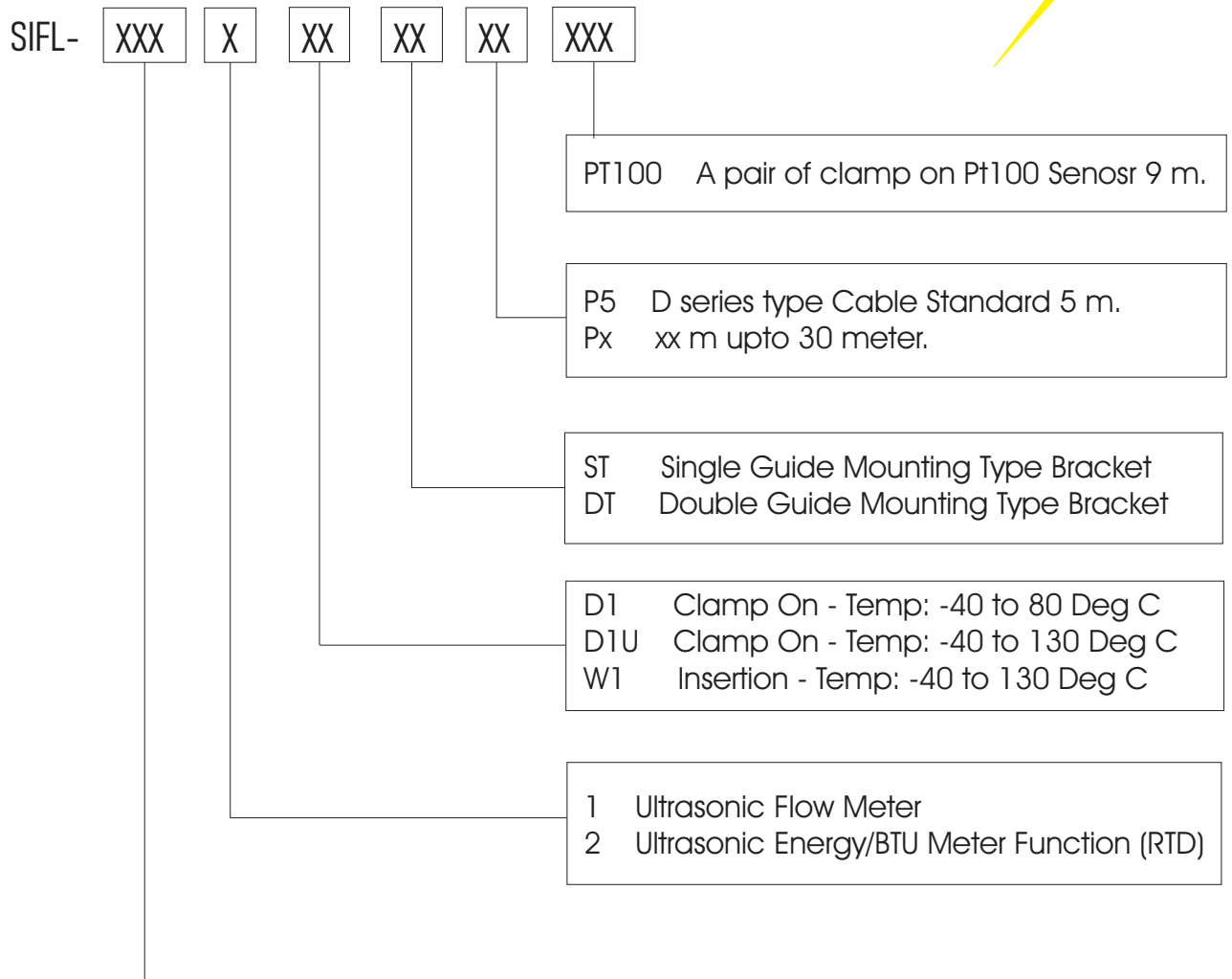
ST mounting kit size



DT mounting kit size



SELECTION GUIDE



732 Portable Ultrasonic Flow Meter – Hand Held Type
 Flow Range: +0.01 m/s to +12 m/s
 Accuracy: +1 % of measured Value
 Repeatability: 0.2 % of measured value
 Output : 4-20 mA , Rs485
 Power Supply: Battery 3000mAh
 Pipe Size : 1 " - 48 " (25mm to 1200mm)
 Fluid : Single Medium Liquid

603 Wall Mount Ultrasonic Flow Meter
 Flow Range: +0.03 m/s to +5 m/s
 Accuracy: +1 % of measured Value
 Repeatability: 0.2 % of measured value
 Output : OCT pulse O/p 0-10 Khz, Relay O/p, 4-20 mA Optional
 Communication: Rs232 , Modbus Protocol (Optional SD Card / HART)
 Power Supply: 10 - 36 VDC @ 1A max. (Optional 90 to 245 VAC)
 Pipe Size : 1 " - 48 " (25mm to 1200mm)
 Fluid : Water

OTHER PRODUCTS & SOLUTIONS



ONLINE MOISTURE ANALYZER



PRESSURE SENSOR



REFRACTOMETER



RADAR LEVEL SENSOR



MELT PRESSURE SENSOR



WIRELESS & IOT DEVICE



SENSORS



VISION SYSTEMS



FLOW SENSORS

STACK INDUSTRY

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