

BTU Meter

BTU Meter : Model - 280T

The STUF-280T heat meter offers the most advanced BTU measurement by using state-of-the-art ultrasonic flow measurement technology. It does not have any moving parts that can wear out, thus, literally requires no maintenance. It is also very cost-effective. Both commercial and residential installations can profit from the advantages of this wear-free heat meter with precision, operational security and long service life.

An optional concentrator and data acquisition software make the whole system installation and integration easy. We provide whole system AMR solution as well.

- Proprietary robust sensor design. No reflector, thus, works reliably for any quality of water.
- Inbuilt battery backup - Guaranteed for 6 years.
- Completely Tamper proof design
- Wet calibration certificate with each and every meter.
- Modbus/Mbus/BAC net/Pulse output options available
- Very High Flow capacity of +/- 16m/s
- Available for Line sizes of 15mm to 1000m
- CE, ISO, MDI and EN certified meters.



DN Size (mm)	Flowrate (m ³ /h)			Dimension (mm)			Weight* (kg)	Pipe Joint** (BSP/ DIN)	
	Qmin	Qn	Qmax	L	W	H		Sensor	Ext.
DN15	0.03	1.5	3	110	120	100	1.2	G3/4B	G1/2B
DN20	0.05	2.5	5	130	120	105	1.2	G1B	G3/4B
DN25	0.07	3.5	7	160	120	110	1.6	G1 1/4B	G1B
DN32	0.12	6	12	180	120	120	2.2	G1 1/2B	G1 1/4B
DN40	0.2	10	20	200	120	125	2.8	G2B	G1 1/2B
DN50	0.6	15	30	200	165	197	10.8	4-M16	
DN65	1	25	50	200	185	211	14.5	4-M16	
DN80	1.6	40	80	225	200	227	16.9	8-M16	
DN100	2.4	60	120	250	220	247	19.9	8-M16	
DN125	4	100	200	250	250	242	26.2	8-M16	
DN150	6	150	300	300	285	277	29.0	8-M20	
DN200	10	250	500	350	340	327	48.9	12-M20	
DN250	16	400	800	450	405	412	93.9	12-M22	
DN300	24	600	1200	500	460	467	13.9	12-M22	

BTU METER

Water Meter : Model - 280W

STUF-280W ultrasonic water meter is the latest innovation from Shenitech. It employs cutting-edge technologies on ultrasonic flow measurement, digital signal processing (DSP) and surface mounting electronics.

- Wear-free, long life-span
- Very low pressure drop
- Wide measurement range
- Available from Line sizes of 15 mm to 1000mm
- Accurate transit-time technology
- Battery supply for 6 or more years

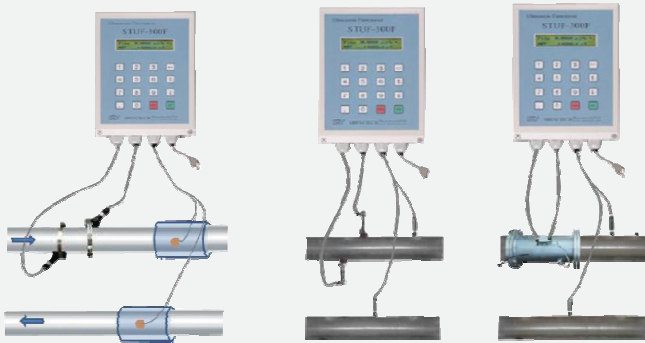


Portable Flow Meter: Model - 300H



- High accuracy measurement
- Non- intrusive, Clamp-on installation, Easy and fast No moving parts, Maintenance free
- Conduct quick and accurate BTU (thermal energy) measurement.
- Light weight, compact design
- Suitable for all commonly used pipe materials and liquids
- Suitable for pipes from 3/4" - 240" (DN20-DN6000mm)
- Rechargeable battery for 10 hours of operation
- Built -in data logger and flow totalizers
- Self -explanatory user inter face, Easy to operate
- Stuff Manager TM PC software for data download and real -time data acquisition
- Signal quality tracking and self - adaptation for robust performance
- Connect to BMS or PLC with 4-20mA, OCT pulse or HART output.

Ultrasonic clamp on BTU Meter : Model - 300R1B



The STUF-300R1B system is consisted of the high performance ultrasonic flowmeter STUF-300F1B and a pair of standard PT100 temperature sensors. The ultrasonic flowmeter is based on our cutting-edge clamp-on flow measurement technology, which is capable of measuring the flow from outside of a pipe accurately and reliably. Due to the non-intrusive nature of this technology, there is no pipe cutting, no moving parts, no pressure drop, no leaks and no risk of contamination. In addition, the installation is simple and requires no special skills or tools.

Ultrasonic Flowmeter : Model - ST301



We have a wide range of online ultrasonic flow meters. These flowmeters have $\pm 1\%$ of accuracy of fluid velocity. These flowmeters have three different version i.e. Clamp-on, insertion, flow cell. Clamp on sensors can measure the flow of fluids in the different pipe material, i.e. MS, CS, SS, almost any plastic material etc. Since these sensors are non-intrusive hence they offer no undesirable pressure drop in the process flow. A major advantage with clamp-on is that same flowmeter can be used from 3/4" to 240" line size by just making some changes in the parameters.



Type HS

Small-size pipe transducer with mounting rack & magnet.
For pipes DN20 - DN100mm (3/4" - 4")
(0°C - 100°C)



Type HM

Medium-size pipe transducer with mounting rack & magnet.
For pipes DN50 - DN700mm (2" - 28")
(0°C - 100°C)



Type M1

Standard medium-size pipe transducer with magnet.
For pipes DN50 - DN700mm (2" - 28")
(0°C - 100°C)



Type L1

Standard large-size pipe transducer.
For pipes DN300 - DN6000mm (11" - 240")
(0°C - 100°C)



Type S1HT

High-temp transducer for small-size pipes.
Pipe sizes DN20 - Dn100mm
Temp 32°F - 312°F
(0°C - 155°C)



Type M1HT

High-temp transducer for medium-size pipes.
Pipe sizes DN50 - Dn700mm
Temp 32°F - 312°F
(0°C - 155°C)