BONT Wall Mount Ultrasonic Flow Meter

- Measurement accuracy 1%
- Convertor protection class IP67,transducer protection class IP68
- Wide measurement range, pipe size from DN15(mm) to DN6000(mm)
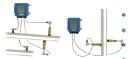- 3types installation method, easy installation.
- Easy Maintenance

LWM-Wall Mount Ultrasonic Flow Meter

Clamp-on Type
* No need to cut off water , no pressure loss
* Connect clamp on temperature transducer ,can finish the heat/ energy measurement
* Easy installation

Insertion Type
* No need to cut off water , no pressure loss
* Stable and reliable for long term operation
* Connect Pt100 temperature transducer, can finish the
* heat/ energy measurement

Inline Type
* With high accuracy and stability
* Connect Pt100 temperature transducer, can finish the heat/energy measurement .

Selection Transducer

Types	Picture	Model	Measurement Range	Temperature	Dimension
Clamp-On		LTS-2	DN25~DN100	-30~90˚C	45x25x32mm
		LTM-1	DN50~DN700	-30~90˚C	64x39x44mm
		LTL-1	DN300~DN6000	-30~90˚C	97x54x53mm
High Temp Clamp-on		LTS-2-HT	DN25~DN100	-30~160˚C	45x25x32mm
		LTM-1-HT	DN50~DN700	-30~160˚C	64x39x44mm
		LTL-1-HT	DN300~DN6000	-30~160˚C	97x54x53mm
Insertion		LTC-1	DN80~DN6000	-30~160˚C	190x80x55mm
		LTC-2	DN80~DN6000	-30~160˚C	335x80x55mm
In-line		LG1	DN15~DN32	-30~160˚C	SS304 Thread Connection
		LG2	DN40~DN1000	-30~160˚C	Carbon Steel Thread Connection

Optional Temperature Transducer

Picture	Specification	Model	Meas. Range	Temperature	Cut of water	Accuracy
	Clamp on temperature Transducer Pt100	LCT-1	>DN50	-40~160℃	No	100℃ ± 0.8℃
	Insertion temperature Transducer Pt100	LTCT-1	>DN51	-40~160℃	Yes	
	Insertion Pt100 installation with pressure	LPCT-1	>DN52	-40~160℃	No	
	Insertion Pt100 Small size pipe diameter	LSCT-1	<DN50	-40~160℃	Yes	

Optional SD Card memory

Convenience for long-term and large data storage.Available to do the data proc essing like tabulation, Statistical ,data analysis ,printing reports and production flow curve by using data analysis software.
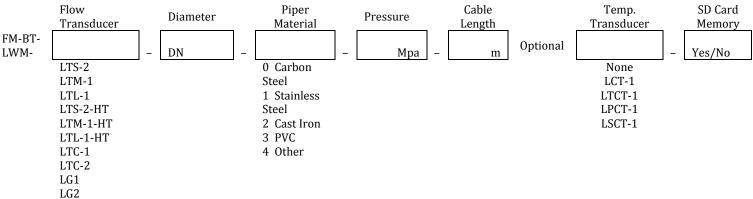
LWM-Wall Mount Ultrasonic Flow Meter

Parameter

Item		Parameter
Convertor	Principle	Transit-time ultrasonic flow meter
	Accuracy	±1%
	Display	2 x 20 character LCD with backlight, support the language of English, Italy ,Turkish , Chinese
	Signal Output	1 way 4-20mA output ,electric resistance 0~1k ,accuracy 0.1%
		1way OCT pulse output (Pulse width ~1000ms , default is 200ms)
		1 way Relay output
	Signal Input	3 way 4-20mA input accuracy 0.1%, acquisition signal such as temperature ,pressure and liquid level
		Connect the temperature transducer Pt100, can finish the hear/energy measurement .
	Data Interface	Insulate Rs485 serial interface, upgrade the flow meter software by computer ,support the MODBUS
Special Cable		Twisted-pair cable, generally, the length under 50meters; Select the RS485, transmission distance can over 1000m
Pipe Installation Condition	Pipe Material	Steel, Stainless steel, Cast iron ,Copper ,Cement pipe,PVC ,Aluminium, Glass steel product, liner is allowed
	Pipe Diameter	25~6000mm
	Straight Pipe	Transducer installation should be satisfied:upstream10D ,downstream5D ,30D from the pump
Measuring Medium	Type of Liquid	Single liquid can transmit sound wave, such as Water (hot water, chilled water ,city water ,sea water ,waste water ,etc); Sewage with small particle content; Oil (crude oil , lubricating oil, diesel oil , fuel oil ,etc); Chemicals (alcohol,etc); Plant effluent ; Beverage;
	Temperature	-30~160℃
	Turbidity	No more than 10000ppm and less bubble
	Flowrate	0~±7m/s
Working Environment	Temperature	Convertor:-20~60℃ ; Flow Transducer: -30~160℃
	Humidity	Convertor:85% RH; Flow Transducer: can measure under water ,water depth≤2m(transducer sealed glue)
Power Supply		DC 8~36V or AC 85~264V (optional)
Power Consumption		1.5W
Dimension		132 x 150 x 85 mm(convertor)

Ordering Code

	Flow Transducer		Diameter		Piper Material		Pressure		Cable Length			Temp. Transducer		SD Card Memory
FM-BT-LWM-		–	DN	–		–	Mpa	–	m	Optional			–	Yes/No

Flow Transducer:
LTS-2
LTM-1
LTL-1
LTS-2-HT
LTM-1-HT
LTL-1-HT
LTC-1
LTC-2
LG1
LG2

Piper Material:
0 Carbon Steel
1 Stainless Steel
2 Cast Iron
3 PVC
4 Other

Temp. Transducer:
None
LCT-1
LTCT-1
LPCT-1
LSCT-1

Exp: FM-BT-LWM~LTS-2~DN50~1~1.6MPa~5meter/None