

INLINE ULTRASONIC FLOW METER DN50 TO DN300



- Dual beam transit time measurement for precise & reliable metering.
- IP68 protection, all internal components are sealed for continued operation in the event of water ingress.
- Built in batch controller & timer for control of external equipment via optional open collector outputs.
- Low power requirement, less than 2.7AH/Year.
- 6 Year battery life.
- Many optional outputs & power supplies.
- No moving parts to be damaged by gravel or clogged by weeds.
- Fluid temperature up to 30°C ambient to 45°C.
- Working pressure 1.6MPa, (2.5MPa optional).
- Turndown ratio exceeds 100:1.

Designed for metering urban water supplies & building consumption the meter can also be used in a variety of industrial & agricultural applications, metering fresh water, sea water & sewage. The meter offers a range of output options including: 4-20mA which requires an external 24VDC power supply, RS485, open collector pulse, TTL pulse & RF module to enable short range wireless meter reading. The internal lithium battery powers the integral display for convenient local indication.

Utilising double beam ultrasonic sensors for a wide dynamic range of accurate & stable transit time measurement. The meter has an exceptionally low starting flow velocity requirement of 0.01m/s, this allows operation at considerably lower flow velocities than conventional water jet or Woltmann type meters. The absence of internal rotating components eliminates wear & minimises maintenance. The clear passage through the meter reduces pressure drop & almost eliminates the possibility of blockage by solids or fibrous materials.

DISPLAY & OPERATION

58X22mm LCD

Display the instantaneous flow, accumulative flow, time and various kinds of working status



Support Bi-directional Flow Measurement

Can measure instantaneous flow and accumulative flow under the forward and backward direction separately

Various of Units Selected

Accumulative flow:
m³, ft³, GAL, L
Instantaneous flow:
m³/h, GPM, L/m

Smart Touch Key

Easy for operation with finger

Infrared Communication Interface

Support CJ-188 communication, support the M-BUS and MODBUS communication, and support upgrade software

FLOW RANGE

Nominal Diameter (mm)	R	Flow (m ³ /h)				
		Starting Flowrate	Minimum Flowrate Q1	Transitional Flowrate Q2	Permanent Flowrate Q3	Overload Flowrate Q4
DN40	200	0.015	0.100	0.160	20.000	25.000
DN50	100	0.030	0.400	0.640	40.000	50.000
DN65	100	0.059	0.630	1.008	63.000	78.750
DN80	100	0.064	1.000	1.600	100.000	125.000
DN100	100	0.094	1.600	2.560	160.000	200.000
DN125	100	0.120	2.000	3.200	200.000	250.000
DN150	100	0.270	2.500	4.000	250.000	312.500
DN200	100	0.315	4.000	6.400	400.000	500.000
DN250	100	0.508	4.000	6.400	400.000	500.000
DN300	100	0.770	6.300	10.080	630.000	787.500

CHOOSE ANY TWO OUTPUT CONFIGURATIONS.

- RS485
- M—BUS
- DC 8-36VDC
- 2 WIRE 4-20mA SYSTEM
- OCT1 open collector output 1
- OCT2 open collector output 2
- C1 (TTL level pulse output 1)
- C2 (TTL level pulse output 2)

ANOTHER SIMPLE SOLUTION FROM

MERRIMAN