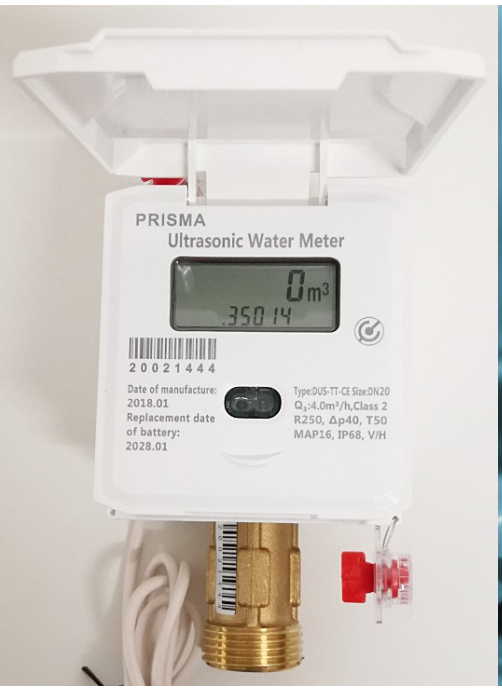
PRISMA Instruments
& Gauge Bourdon France

DUS-TT-CE Ultrasonic Water Meter



CE M-Bus Modbus

FEATURES

- Low starting flow rate, minimum flow rate 1/3 of traditional water meter.
- Water temperature detection, low temperature alarm.
- No moving part, no wear, long term stable operation.
- Above 10 years shelf life.
- Installation at any angel, no influence for measurement accuracy.
- Ultrasonic signal quality detection.
- Photosensitive button, IP 68 design, longtime under water working.
- Support optical, RS485 and wired & wireless M-bus communication interfaces.
- Complies to MODBUS RTU and EN 13757 communication protocol.
- Compile to drinkable water standard requirement

IP68
IP 68 grade

>10 years shelf life

Multiple communication options

Low starting flow rate

Drinkable water meter

S P E C I F I C A T I O N S

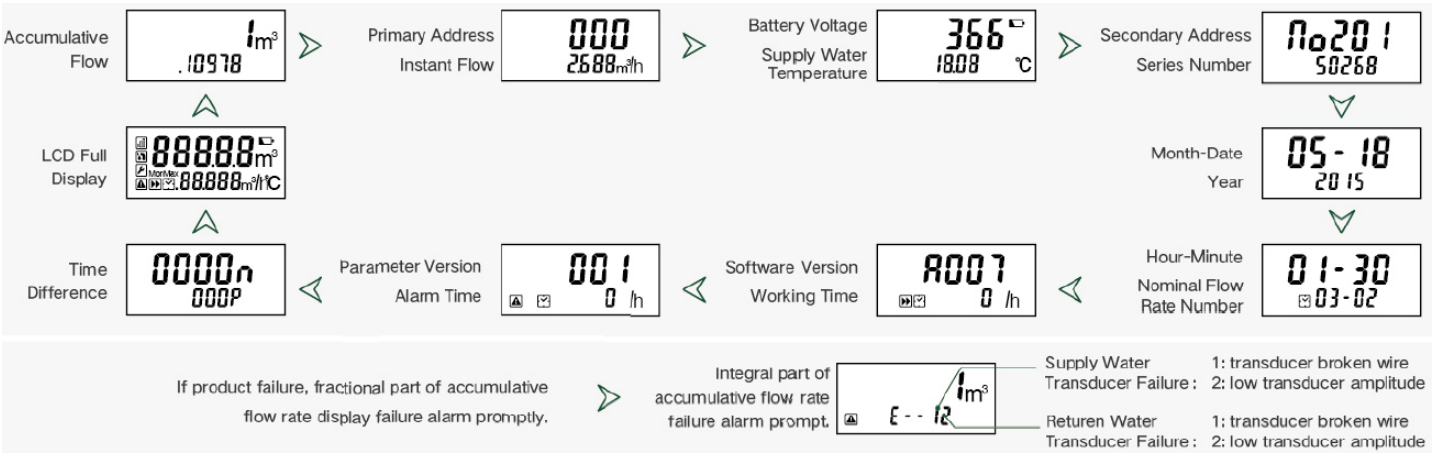
Product Description

Direct reading ultrasonic water meter is used for measuring, storage and display water flow.
Nominal Diameter: DN15~DN30

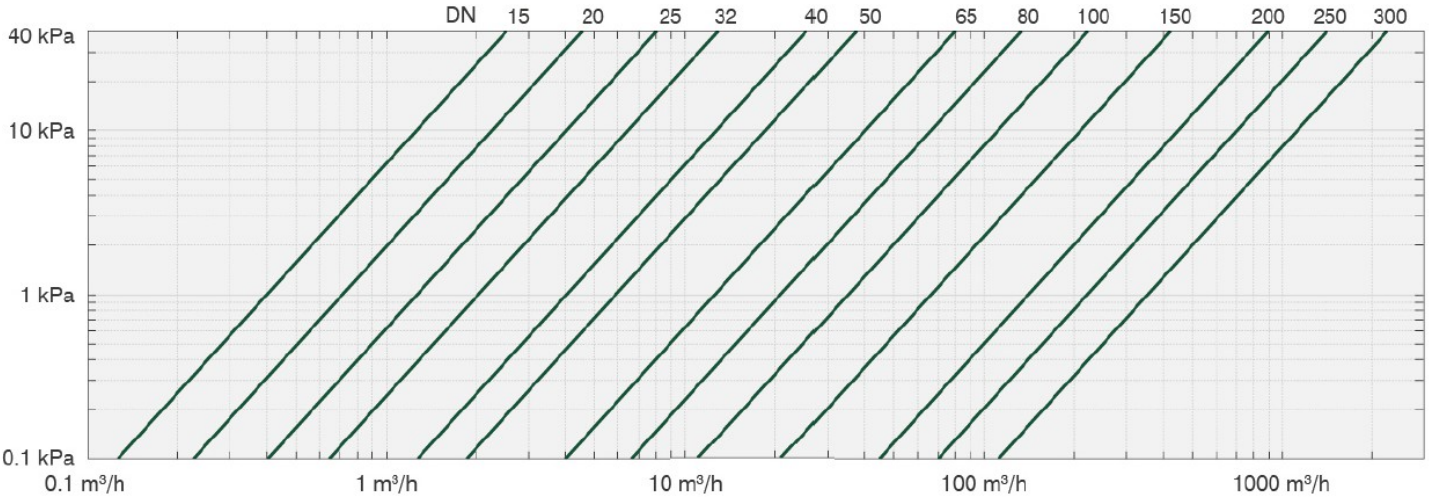
DN15 to DN40

DN50 to DN300

Display Description (Residential)



Pressure Loss Curve



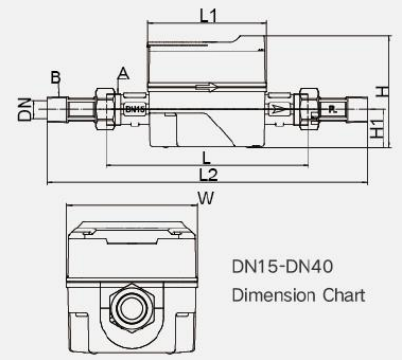
Technical Parameter

Nominal Diameter DN (mm)	15		20		25		32		40	
Nominal Diameter Q3 (m3/h)	2.5		4		6.3		10		16	
Min flow rate Q1 (L/h)	10	6.25	16	10	25.2	15.8	40	25	64	40
Pressure loss class △P	63		63		40		40		40	
Flow arte maximum reading (m3)	99999.99999									
Accuracy class	Class 2									
Maximum working pressure	1.6MPa									
Temperature class	T30/T50/T70 optional									
IP grade	IP68									
Power supply	3.6V lithium battery									
Battery lifetime	⩾ 10 years									
Environment & mechanical condition	Class C									
Electromagnetic compatibility	E1									
Heat (cooling) carrier	conduit is full charged with water									
Installation mode	at any angle									

Nominal Diameter DN (mm)	50	65	80	100	150	200	250	300
Nominal Diameter Q3 (m3/h)	25	40	63	100	250	400	630	1000
Min flow rate Q1 (L/h)	50	80	126	200	500	800	1260	2000
Pressure loss class △P	25							
Flow arte maximum reading (m3)	99999.99999							
Accuracy class	Class 2							
Maximum working pressure	1.6MPa							
Temperature class	T30/T50/T70 optional							
IP grade	IP68							
Power supply	3.6V lithium battery							
Battery lifetime	⩾ 10 years							
Environment & mechanical condition	Class C							
Electromagnetic compatibility	E1							
Heat (cooling) carrier	conduit is full charged with water							
Installation mode	at any angle							

DN15 to DN40 Dimension

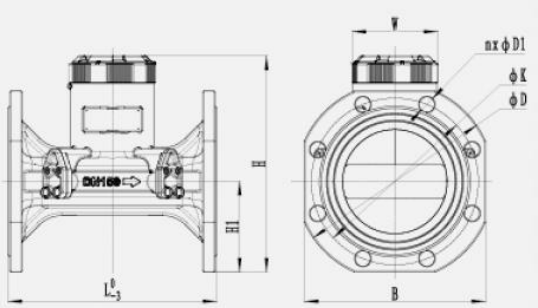
Nominal diameter DN (mm)	15	20	25	32	40
L (mm)	165	190	260	260	300
L1 (mm)	97	97	97	97	97
L2 (mm)	255				
H (mm)	91.00000				
H1 (mm)	31				
W (mm)	90				
Meter screw A (inch)	G 3/4B				
Coupling screw B (inch)	R1/2				



DN15-DN40
Dimension Chart

DN50 to DN300 Dimension

Nominal diameter DN (mm)	50	65	80	100	150	200	250	300
L (mm)	200	200	225	250	300	350	450	500
H (mm)	220	227	257	266	310	400	452	496
H1 (mm)	65	70	90	102.5	134	165	197	222
W (mm)	125	125	125	125	125	125	125	125
B (mm)	130	140	180	200	268	330	394	445
n x φD1	4 x φ18	4 x φ18	8 x φ18	8 x φ18	8 x φ22	12 x φ22	12 x φ26	12 x φ26



DN50-DN300 Dimension Chart