

HT SERIES DIGITAL TURBINE FLOW METERS



Model No. : HT-F
Model Type : Flange Type



Model No. : HT-M
Model Type : Male Type



Model No. : HT-E
Model Type : Female Type

HT SERIES DIGITAL TURBINE FLOW METERS



Model No. : HT Series

Model Type : Flange, Male & Female Type

Features :

- Wide range of liquid measurement
- High accuracy and excellent repeatability
- Easy installation and energy saving
- Easy-to-read LCD Back-light.
- Specific Gravity Correction (0.01~2.00)
- Display: Accumulated amount reset, accumulated flow display, instantaneous flow rate display, gallon or liter unit change, automatic integration
- Lamp indication
- Flow display
- Battery life: 4-5 years
- Auto on and off

HT Turbine Flow Meters which have advantages of simple structure, light weight, high accuracy and easy installation, measure liquid which has no impurities and no chemical corrosive reaction with stainless steel. The measureable liquids include water, diesel and methanol, etc.



※ The flow board used when selecting the communication option.

GENERAL SPECIFICATIONS

Diameter (mm)	Thread	4, 6, 10, 15, 20, 25
	Flange	10, 15, 20, 25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 300, 400
Accuracy		±0.1% or ±0.5% (option)
Material		Stainless steel 304 or 316
Temperature		-20°C ~ +120°C
Pressure		16 bar, 20 bar or 40 bar (option)
Output		2 wires, 3 wires, pulse frequency, 4~20mA DC current signal
Power supply		12CVD, 24VDC, Lithium battery AC 90~230V power supply
Protection		IP 65
Connection		Thread, Flange (JIS 10K, 20K, PN16, 25 bar, ANSI# 150, 300)

RANGE CHART (m³/h)

Diameter (mm)	Normal Range	Extended Range
DN4	0.04~0.25	0.04~0.4
DN6	0.1~0.6	0.06~0.6
DN10	0.2~1.2	0.15~1.5
DN15	0.6~6	0.4~8
DN20	0.8~8	0.45~9
DN25	1~10	0.5~10
DN32	1.5~15	0.8~15
DN40	2~20	1~20
DN50	4~40	2~40
DN65	7~70	4~70
DN80	10~100	5~100
DN100	20~200	10~200
DN123	25~250	13~250
DN150	30~300	15~300
DN200	80~800	40~800
DN300	100~1200	80~1200
DN350	125~1500	120~1500
DN400	150~2000	150~2000

HTC SERIES DIGITAL TURBINE FLOW METERS



It is the latest model of the HT series with a compact design, lower weight and better convenience. As with the existing HT models, male type, female type, and flange type are all compatible. HTC turbine flow meter is simple in structure, light in weight, high in accuracy and easy to install and measure.

Model No. : HTC
Model Type : Compact Type

Features :

- Wide range of liquid measurement (Applicable in non-corrosive liquids such as water, diesel and methanol)
- High accuracy and excellent repeatability
- Easy installation and energy saving
- Easy-to-read LCD Back-light.
- Specific Gravity Correction (0.01~2.00)
- Display: Accumulated amount reset, accumulated flow display, instantaneous flow rate display, gallon or liter unit change, automatic integration
- Lamp indication
- Flow rate display (LPM, GPM, m³/h)
- Battery life: 4-5 years
- LCD auto on and off function

GENERAL SPECIFICATIONS		
Diameter (mm)	Thread	4, 6, 10, 15, 20, 25
	Flange	10, 15, 20, 25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 300, 400
Accuracy	±0.1% or ±0.5% (option)	
Material	Stainless steel 304 or 316	
Temperature	-20°C ~ +120°C	
Pressure	16 bar, 20 bar or 40 bar (option)	
Output	2 wires, 3 wires, pulse frequency, 4~20mA DC current signal	
Power supply	12CVD, 24VDC, Lithium battery AC 90~230V power supply	
Protection	IP 65	
Connection	Thread, Flange (JIS 10K, 20K, PN16, 25 bar, ANSI# 150, 300)	

RANGE CHART (m ³ /h)		
Diameter (mm)	Normal Range	Extended Range
DN4	0.04~0.25	0.04~0.4
DN6	0.1~0.6	0.06~0.6
DN10	0.2~1.2	0.15~1.5
DN15	0.6~6	0.4~8
DN20	0.8~8	0.45~9
DN25	1~10	0.5~10
DN32	1.5~15	0.8~15
DN40	2~20	1~20
DN50	4~40	2~40
DN65	7~70	4~70
DN80	10~100	5~100
DN100	20~200	10~200
DN123	25~250	13~250
DN150	30~300	15~300
DN200	80~800	40~800
DN300	100~1200	80~1200
DN350	125~1500	120~1500
DN400	150~2000	150~2000

PROPELLER WATER METERS DIGITAL TURBINE FLOW METERS



Model No. : HS-WN

Model Type : Cold (50°C), Hot (130°C)

Features :

- Can be mounted on horizontal, vertical and inclined pipelines with counters set in top, side or mid-position H-V
- Wide measuring range and low starting flow rate
- Rotor axis parallel to the pipe axis
- Roller pointer counter mounted in sealed case
- Freely adjustable rotary counter – convenient
- Magnetic clutch
- Pulse output signal available (Option)
- Materials approved for contact with drinking water
- Complies with ISO4064, BS5728, ISO / DIS-10385 standards.

GENERAL SPECIFICATIONS

Nominal Flow Rate (ISO 4064)	Qq	m ³	15	15	25	25	50	40	60	100	150	250	400	600
Nominal Diameter	DN	mm	40	50	65	80	100	125	150	200	250	200		
	L	mm	200	200	200	225*200	250	250	300	350	450	500		
	H	mm	65	72	83	95	105	120	135	160	193	230		
	H	mm	177	187	197	219	229	257	357	382	427	497		
	H1	mm	277	287	297	339	349	377	582	607	652	722		
	Dz	mm	150	165	185	200	220	250	285	340	400	460		
Weight	-	Kg	7.9	9.9	10.6	13.3	15.6	18.1	40.1	51.1	75.1	103.1		

PRODUCER'S PARAMETERS FOR COLD WATER UP TO 50°C

Nominal Flow Rate (ISO 4064)	Qq	m ³ /h	15	15	25	25	50	40	60	100	150	250	400	600
Nominal Diameter	DN	m ³ /h	40	50	65	80	100	125	150	200	250	200		
Maximum Flow Rate	Qs	m ³ /h	60	90	120	200	300	350	600	1000	1600	2000		
Maximum Flow Rate	-	m ³ /h	30	50	60	120	230	250	400	750	1100	1400		
Transitional Flow Rate	Qt	m ³ /h	0.9	0.9	1.2	0.8	1.8	2	4	6	11	15		
Minimum Flow Rate	Qmin	m ³ /h	0.35	0.35	0.45	0.5	0.6	1.5	1.8	4	6	12		
Nominal Diameter	-	m ³ /h	0.15	0.15	0.2	0.25	0.25	0.5	1.0	1.5	3	8		

PRODUCER'S PARAMETERS FOR HOT WATER UP TO 130°C

Nominal Flow Rate (ISO 4064)	Qq	m ³ /h	15	15	25	25	50	40	60	100	150	250	400	600
Nominal Diameter	DN	m ³ /h	40	50	65	80	100	125	150	200	250	200		
Maximum Flow Rate	Qs	m ³ /h	30	30	60	90	140	200	300	500	1000	1200		
Maximum Working Flow Rate	-	m ³ /h	15	15	25	45	70	100	150	250	400	600		
Transitional Flow Rate	Qt	m ³ /h	1.5	1.5	2	3.2	4.8	8	12	20	40	50		
Minimum Flow Rate	Qmin	m ³ /h	0.6	0.6	0.8	1.4	1.8	3.5	5.5	10	20	35		
Starting Flow Rate	-	m ³ /h	0.25	0.25	0.3	0.35	0.6	1.1	2	4	8	15		
Flow Rate at 0.1 bar pressure loss	-	m ³ /h	26	38	40	100	128	170	310	550	800	1250		
Counter Range	-	m ³	10 ⁶						10 ⁷					
Scale Interval	-	m ³	0.00005						0.005					

H24 SERIES TURBINE FLOW METERS



Model No. : H24-M
Model Type : Male Type



Model No. : H24-E
Model Type : Female Type



Features :

- Control panel with module design
- Simple function & convenient operation
- Design focused only on instantaneous integration function
- Simple fastening of male and female screw connections using gaskets
- Applicable in wide range of industries such as petroleum, chemical, pharmaceutical, transportation, food industry, etc.

SPECIFICATIONS

Diameter (mm)	25A
Accuracy	±1.0%
Repeatability	±0.5%
Material	PTFE
Max. Pressure	20 bar
Working Voltage	2.3~3.3 V
Flow Range	1~120 L/mim
Single Count	0.00~999.9

LXSC SERIES TURBINE FLOW METERS



Model No. : LXSCR
Model Type : Hot Type



Model No. : LXSC
Model Type : Cold Type



Features :

- Single injection tachometer, magnetic drive, low penetration resistance
- Brass body, inlet strainer, low weight, vacuum sealing of devices, freeze prevention, 360 degree rotation, simple structure, long-term cleanliness
- 90 degree hot water meter for choice
- Read switch or remote transmitter with hall element can be added
- Pulse output: 1 liter, 10 liters or 100 liters per pulse, Cable length 1.2m (optional)
- The water meter LXSC series is an impeller flow meter with magnetic transmission function and is used to measure the total water consumed by households or resident units.

MAIN TECHNICAL PARAMETERS

Nominal Size DN (mm)	Class of measurement	Overload Flow- rate q_s (m ³ /h) Q4	Permanent Flow- rate q_p (m ³ /h) Q3	Transitional Flow-rate q_t (l/h) Q2	Minimum Flow- rate q_{min} (l/h) Q1
15	Class C/R 160	3/3.1	1.5/2.5	22.5/25	15/15.625
20	Class C/R 160	5/5	2.5/4	37.5/32	25/20
25	Class C/R 160	7/7.9	3.5/6.3	52.5/50	35/30
32	Class C/R 160	12/12.5	6/10	90/80	60/50

WORKING CONDITION

Cold type working temperature	+0.1°C ~ +50°C
Hot type working temperature	+0.1°C ~ +90°C
Head loss	Δ P63
Working pressure	≤ 1.0 Mpa

MAXIMUM PERMISSIBLE ERROR

Accuracy between Q1 and Q2	±5%
Accuracy between A2 and Q4	±2% (Hot : ±3%)