

## Ultrasonic Flowmeter

### DIN mount DT-TUF-2000M



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Model No	DT-TUF-2000M (DIN mount transmitter)	\$450.00
Principle	Transit time	
Pipe material	Steel, SS, cast iron, PVC, copper, cement, others	
Measuring liquid	Water, chemical, alcohol, oil, diesel, beverage etc.,	
Accuracy	Better than ±1%	
Measuring range	DN25 to DN6000	
Recording function	Totaliser & flow rate	
Output	4-20mA / OCT pulse or Relay	
Signal Input	Temperature, Pressure, level (2 sensor max.)	
Data interface (optional)	RS485 serial interface, support MODBUS	
Power supply	24VDC	

*Choose the matching clamp on sensors separately from the below sensor list*

### Fixed mount DT-TUF-2000F2



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Model No	DT-TUF-2000F2 (Fixed mount transmitter)	\$600.00
Principle	Transit time	
Measuring range	DN25 to DN6000	
Measuring liquid	Water, chemical, alcohol, oil, diesel, beverage etc.,	
Flow rate	0.1 to 7.0m/sec	
Suitable sensor	Clamp on, Insertion and In-line	
Pressure / Temperature	1.6 MPa / -30°C to 160°C	
Accuracy	±1%	
Power supply	24VDC, AC85~264VAC (optional)	

*Matches any of the sensor from the below sensor list*

### Wall mount DT-TUF-2000B



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Model No	DT-TUF-2000B (Wall mount transmitter)	\$600.00
Principle	Transit time	
Measuring range	DN25 to DN6000	
Measuring liquid	Water, chemical, alcohol, oil, diesel, beverage etc.,	
Flow rate	0.1 to 7.0m/sec	
Suitable sensor	Clamp on, Insertion and In-line	
Pressure / Temperature	1.6 MPa / -30°C to 160°C	
Accuracy	±1%	
Protection	IP67 (transmitter), IP68 (transducer)	
Options	SD card memory, Temperature transducer	
Power supply	24VDC, AC85~264VAC (optional)	

*Matches any of the sensor from the below sensor list*

### Sensor options



Sensor model No.	Sensor set for fixed mount flow meters	Price
DT-TUF-DN25-100	Clamp on DN25~100, screw terminal 90°C	\$120.00
DT-TUF-DN25-100H	Clamp on DN25~100, screw terminal 160°C	\$160.00
DT-TUF-DN50-700	Clamp on DN50~700, screw terminal 90°C	\$130.00
DT-TUF-DN50-700H	Clamp on DN50~700, screw terminal 160°C	\$170.00
DT-TUF-TC-1	Insertion sensor DN50~6000	\$300.00

## Ultrasonic Flowmeter

### Hand held meter

#### DT-TUF-2000H



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### Brackets



*Sensors connecting to portable meter must have plug-in terminal and sensors pairing to fixed flow meter must have screw terminals.*

Model No	DT-TUF2000H (Meter only)	\$800.00
Principle	Transit time	
Pipe material	Steel, SS, cast iron, PVC, copper, cement, others	
Measuring liquid	Water, chemical, alcohol, oil, diesel, beverage etc.,	
Accuracy	±1%	
Measuring range	DN15 to DN6000	
Flow rate	0~±10 m/s	
Turbidity	Not more than 10,000ppm and less bubble	
Data logger	24K built-in memory to store 2000 lines of data	
Data interface	RS485 serial interface	
Power supply	3 x AAA built-in Ni-MH batteries, 90~260VAC adapter	

*Please choose the matching sensors separately from below list*

Sensor model No.	Sensor set for portable kit (DT-TUF2000H)	Price
DT-TUF2000H-HSS	DN15~100 sensor <b>with bracket</b> , 90°C	\$380.00
DT-TUF2000H-S	DN25~100 sensor only, 90°C	\$120.00
DT-TUF2000H-HS	DN25~100 sensor <b>with bracket</b> , 90°C	\$240.00
DT-TUF2000H-M	DN50~300 sensor only, 90°C	\$120.00
DT-TUF2000H-HM	DN50~300 sensor <b>with bracket</b> , 90°C	\$320.00

### Accessories

Model No	Description	Price
DT-TUF2000H-5MCB	Cable set 5m for Portable Kit	\$65.00
DT-TUF-TM1	DN50~700 sensor set only, 90°C	\$120.00
DT-TUF2000H-EB1	2 x EB1 brackets for DN50~700 sensor	\$160.00
DT-TUF2000H-CA-S	Carry Case for portable Kit DN25~100mm	\$220.00
DT-TUF2000H-CA-S	Carry Case for portable Kit DN25~100mm	\$230.00
DT-TUF2000H-CA-M	Carry Case for portable Kit DN50~300mm	\$280.00
DT-TUF-COMP-30ML	Ultrasonic transfer compound 30ml	\$20.00

### Water meter wafer style

#### DT-T3-1 series



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Model No	DT-T3-1-K1-DN100	\$450.00
	DT-T3-1-K1-DN150	\$500.00
Principle	Single channel TTFM ultrasonic measurement V type	
Display	Instantaneous flow rate and cumulative flow	
Measuring liquid	Water, sewage, seawater (other liquid need to be customised). Full pipe flow required	
Material	Polyamide body with IP68 protection	
Measuring range	DN80 to DN150	
Output (optional)	TTL Pulse, analog 4-20mA (needs 24VDC supply)	
Temperature / Pressure	0 to 30°C / 1.6 MPa	
Data interface (optional)	RS485 serial interface	
Power supply	Built in Lithium battery (6 years battery life)	

### Water meter flange style

#### DT-T3-1 series



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Model No	DT-T3-1-DN50	\$780.00
	DT-T3-1-DN100	\$975.00
	DT-T3-1-DN150	\$1,185.00
Principle	Dual beam TTFM ultrasonic measurement	
Display	Instantaneous flow rate and cumulative flow	
Material	Ductile Iron	
Measuring range	DN50 to DN300	
Output (optional)	TTL Pulse, analog 4-20mA (needs 24VDC supply)	
Temperature / Pressure	0 to 30°C / 1.6 MPa	
Data interface (optional)	RS485 serial interface	
Power supply	Built in Lithium battery (6 years battery life)	

### Turbine Flowmeter

#### HLWSY series



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Model No	HLWSY-50-B-10-S-L-N-N (SS316, DN50, pulse, ±1.0%, 24VDC) <b>Thread:</b> \$1,400.00; <b>Tri-clamp:</b> \$ 1,450.00; <b>Flange:</b> \$ 1,600.00
Process connection	Flange / thread / tri-clamp
Output	Local display and 4-20mA or 3 wire Pulse signal
Line size	Flange: DN15~200/ Thread DN4~ 50/ Tri-clamp DN25~50
Standard flow range	(0.04~0.25m <sup>3</sup> /h) to (80~800 m <sup>3</sup> /h) based on pipe size
Pressure rating	PN25 for size below DN50; PN16 for size below DN200
Temperature	Up to 100°C
Accuracy	±1.0% / ±0.5%
Body material	SS304 / SS316(L)
Power supply	3.6V battery or 24VDC

### Paddle wheel RotorFlow meter

#### RotorFlow



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Model No	GM-155421 (Pulse, ¼" NPT, 0.5-5.0 GPM, Polypropylene) \$296.00 GM-155481 (Pulse, ½" NPT, 4-20 GPM, Polypropylene) \$280.00 GM-155420 (Visual, ¼" NPT, 0.5-5.0 GPM, Polypropylene) \$150.00
Pressure	PP: 6.9 bar max; Brass and 13.8 bar max
Temperature	PP: -29 to 82°C Brass or SS: -29 to 100°C
Viscosity	200 SSU max
Port size NPT	<b>PP:</b> ¼", ½"; <b>Brass:</b> ¼", ½", ¾", 1.0"; <b>SS:</b> 9/16"-18", ½", ¾", 1"
Flow range	(0.5~5.0 GPM) to (8.0~60.0 GPM) based on port size
Body material	Polypropylene / Brass / Stainless steel
Output	4.5 VDC to 24 VDC pulse (sourcing) depends on flow rate
Power supply	4.5 VDC to 24 VDC

Water purification/Dispensing systems, chemical metering equipment, lasers, welders, water injection systems, semiconductor industry, chillers and heat exchangers

### Insertion mass flow meter

#### EE-776



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Model No	EE-776-CL1N050DQ (DN50) \$3,790.00 EE-776-CL1N150DQ (DN150) \$4,090.00
Pressure	Up to 16 bar
Range	0.5 ~ 200 Nm/s
Accuracy	±1.5% of the measured value
Pipe diameter	DN50 to DN700
Measured values	standardized volumetric flow, mass flow, standardised flow, temperature, consumption
Outputs	0-10 V, 0/4-20 mA, Pulse, Switch, Modbus RTU or M-Bus
Power supply	18 ~ 30 VAC/DC

EE776 can measure the consumption of compressed air, nitrogen, CO2 or other non-corrosive gases up to a pressure of 16 bar from DN50 to DN700

### In-line mass flow meter

#### EE-771



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Model No	EE-771-AL1N020DK (DN20) \$1,987.00 EE-771-AL1N050DK (DN50) \$2,645.00
Pressure	Adjusted under a pressure of 7 bar
Range	0.5 ~ 200 Nm/s
Accuracy	±1.5% of the measured value
Pipe diameter	DN15 to DN50
Measured values	standardized volumetric flow, mass flow, standardised flow, temperature, consumption
Outputs	0-10 V, 0/4-20 mA, Pulse, Switch, Modbus RTU or M-Bus
Power supply	18 ~ 30 VAC/DC

EE771 can measure compressed air, nitrogen, CO2 or other non-corrosive gases and is adjusted under a pressure of 7 bar from DN15 to DN50

*Prices mentioned are in NZD and doesn't include GST.*