

TM SERIES (WATER METERS)

FLAMEC® TM Series Water Meters are accurate, economical and designed to last. Choose TM Water Meters for water processing and irrigation applications:

- Meets Schedule 80 PVC specifications
- Standard low-profile display
- Seven sizes with three fitting types available
- Flowrates from 1 to 600 gallons per minute (3.8 to 2271 L/min)

FEATURES / BENEFITS

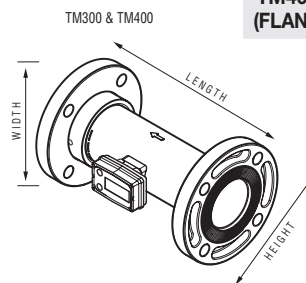
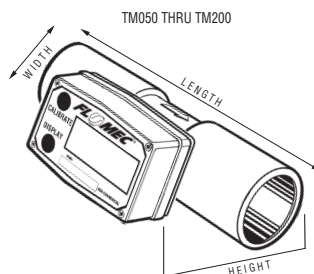
- Easy to install
- Displays in gallons, litres and cubic feet
- Indicates Batch, Cumulative Totals and Rate of Flow
- Available in NPT, BSPP, Spigot and Flange (3" & 4" only) Fittings
- Non-volatile totals means amounts are retained when batteries are replaced or power is lost
- Lithium battery life: 5 years

DIMENSIONS

Meter Size	Length	Height	Width
TM050	3.8" (96 mm)	2.6" (66 mm)	2.0" (51 mm)
TM050-N	5.8" (147 mm)	2.6" (66 mm)	2.0" (51 mm)
TM075	3.8" (96 mm)	2.7" (68 mm)	2.0" (51 mm)
TM075-N	5.8" (147 mm)	2.7" (68 mm)	2.0" (51 mm)
TM100	4.1" (104 mm)	3.1" (79 mm)	2.0" (51 mm)

Meter Size	Length	Height	Width
TM100-N	6.1" (155 mm)	3.1" (79 mm)	2.0" (51 mm)
TM150	5.4" (137 mm)	3.7" (94 mm)	2.1" (53 mm)
TM150-N	7.4" (188 mm)	3.7" (94 mm)	2.1" (53 mm)
TM200	5.5" (140 mm)	4.2" (107 mm)	2.4" (61 mm)
TM200-N	7.5" (190 mm)	4.2" (107 mm)	2.4" (61 mm)

Meter Size	Length	Height	Width
TM300 (SPIGOT)	11.5" (292 mm)	5.34" (136 mm)	3.5" (89 mm)
TM400 (SPIGOT)	13.5" (343 mm)	6.34" (161 mm)	4.5" (114 mm)
TM300-N (NPT)	14.7" (373 mm)	5.78" (147 mm)	4.37" (111 mm)
TM400-N (NPT)	17.0" (432 mm)	6.76" (172 mm)	5.34" (136 mm)
TM300-F (FLANGE)	12.0" (305 mm)	7.5" (190 mm)	7.5" (190 mm)
TM400-F (FLANGE)	14.0" (356 mm)	9.0" (229 mm)	9.0" (229 mm)



*Length guidelines are estimates; actual length can vary up to ± 1/2" (13 mm)

**Computer display adds 1.1 in. (28 mm) to height

PRODUCT CONFIGURATION

PRODUCT IDENTIFIER 1

TM = Water Meter, Schedule 80 PVC

TURBINE SIZE 2

- 050 = 1/2" (15 mm)
- 075 = 3/4" (20 mm)
- 100 = 1" (25 mm)
- 150 = 1-1/2" (40 mm)
- 200 = 2" (50 mm)
- 300 = 3" (80 mm)
- 400 = 4" (100 mm)

FITTING TYPE 3

Blank = Spigot (Pipe) End

-N = NPT Female

-B = BSPP Female (1", 1-1/2", 2", 3" & 4" meters only)

-F = 150# ANSI Flange (3" and 4" meters only)

ELECTRONIC CHOICE 4

Blank = Local Display (Standard)

-P = Pulse Output

1 2 3 4
---->>> TM 300 -N -P

SPECIFICATIONS

Fitting Type:	Schedule 80 Spigot (Pipe) End		
	NPT (Female)		
	BSPP (Female) (1 inch, 1-1/2 inch, & 2 inch meters only)		
	150# ANSI Flange or DIN 100 Flange (3" and 4" meters only)		
Meter Sizes Available:	1/2" 3/4" 1" 1-1/2" 2" 3" 4"		
Flow Range:	1/2" (050)	1 - 10 GPM	(3.8 - 38 L/min)
	3/4" (070)	2 - 20 GPM	(7.6 - 76 L/min)
	1" (100)	5 - 50 GPM	(19 - 190 L/min)
	1-1/2" (150)	10 - 100 GPM	(38 - 380 L/min)
	2" (200)	20 - 200 GPM	(76 - 760 L/min)
	3" (300)	40 - 400 GPM	(151 - 1514 L/min)
	4" (400)	60 - 600 GPM	(227 - 2271 L/min)
Accuracy (% of Reading):	± 3.0%		
Pressure Rating (1/2" - 2"):	225 psi (15.3 bar) @ 73° F (23° C)		
BSP	150 psi (10.3 bar) @ 73° F (23° C)		
Pressure Rating (3" - 4"):	225 psi (15.3 bar) @ 73° F (23° C)		
DIN	135 psi (9.1 bar) @ 73° F (23° C)		
For CE Applications	135 psi (9.1 bar) @ 73° F (23° C)		
Operating Temperature Range:	+32° F to +140° F (0° C to +60° C)**		

Typical K-Factor:	1/2" (050)	2,500 PPG (660 Pulses/L)
	3/4" (070)	1,100 PPG (291 Pulses/L)
	1" (100)	565 PPG (149 Pulses/L)
	1-1/2" (150)	215 PPG (57 Pulses/L)
	2" (200)	100 PPG (26 Pulses/L)
	3" (300)	43 PPG (11 Pulses/L)
	4" (400)	17 PPG (4.5 Pulses/L)
Wetted Materials (1/2" - 2"):	Housing:	PVC
	Bearings:	Ceramic
	Shaft:	Tungsten Carbide
	Rotor:	PVDF
	Rings:	316 Stainless Steel
Wetted Materials (3" - 4"):	Housing:	PVC
	Bearings:	PEEK
	Shaft & Thrust Washers:	Stainless Steel
	Rotor & Nose Cone:	Acetal
	Signal Generator:	Ferrite
Calibration Report:	Comes standard with P (Pulse out) TM models	
	N.I.S.T. - Certification available	

*At the end of Extended Flow Range accuracy may decrease. Damage to the meter may occur if running at high Extended Range.

**PVC pressure rating will incrementally decrease above 73° F (23° C).

ACCESSORIES / ELECTRONICS

Part No.	Description
113275-1	FM Approved Remote Kit Assembly (will not make meter FM Approved)
125260-01	90° Display Adapter Kit
125080-1	Pulse Access Dust Cover (must be used in conjunction with FM Approved Remote Kit Assembly)
145507-01	Kit, Adapter, TM-QS11-Q09 Display
145507-02	Kit, Adapter, TM-QS12-Q09 Display
145507-03	Kit, Adapter, TM-QS13-Q09 Display
145507-04	Kit, Adapter, TM-QS11-No Display
145507-05	Kit, Adapter, TM-QS12-No Display
145507-06	Kit, Adapter, TM-QS13-No Display
145507-07	Kit, Adapter, TM-QS11-Display Ready
145507-08	Kit, Adapter, TM-QS12-Display Ready
145507-09	Kit, Adapter, TM-QS13-No Display

APPLICATIONS

- OEM water treatment equipment / skids
- Sub-metering of facility water usage
- Waste water treatment equipment
- Irrigation
- Batching
- Plant process water
- Water based cooling systems
- Chemical feed systems
- Monitoring clean fluids
- Cooling towers
- Blending

APPROVALS

