

F-2000 Paddlewheel Flowmeter with SENSOR MOUNTED and MOLDED Bodies

BW DIGI-METER® F-2000 FEATURES

- Easy to read 8 digit LCD, up to 4 decimal positions.
- Flow rate and Total flow display.
- AC/DC transformer or battery operated (RT models only). 4 AA batteries.
- Factory programmed with calibration certificate.
- Field programmable via front panel touch pad.
- Front panel security lockout.
- Total reset function can be disabled.
- Weather resistant ABS enclosure. NEMA 4X.
Note: LCD is not recommended for direct sunlight applications.
- Panel mounting option available.
- Custom calibration units available. Contact the factory.

FOUR MODEL VARIATIONS:

- RT** = Rate and Totalizer. Transformer or battery operated.
- AO** = 4-20mA, 0-10 VDC analog output, flow rate & totalizer. Transformer operated.
- PC** = Batch processing, flow rate alarm, proportional chemical metering, flow rate and totalizer. Transformer operated.
- AP** = Analog output, batch processing, flow rate alarm, proportional chemical metering, flow rate and totalizer. Transformer operated.

BW DIGI-METER® F-2000 SPECIFICATIONS

Max. Working Pressure..... 300 psig (20 bar) @ 70° F (21° C)
 Max. Fluid Temperature..... 200° F (93° C) @ 0 PSI
 Full scale accuracy..... +/- 1%
 Sensor/Paddle/Axle material..... PVDF
 O-ring seals..... FKM (Optional EP)
 Max. pressure drop..... 8 psi (varies per model)
 Approximate shipping wt..... 4 lb. (1.8 kg)
 NIST certificates optional

Maximum continuous flow should not occur in the upper 25% of the flow range.
 See instruction manual at www.blue-white.com for detailed installation and operating requirements.



PIPE SIZES

3/8", 1/2", 3/4", 1", 1-1/2", 2" M/NPT

ORDERING INFORMATION

Transformer Powered models on Molded In-Line Polypropylene Body

| Pipe Size M/NPT | GPM MODELS | | LPM MODELS | | MODEL VARIATIONS LIST PRICE | | | |
|--------------------|--------------|------------|--------------|------------|-----------------------------|--------|--------|----------|
| | Model Number | Flow Range | Model Number | Flow Range | RT | AO | PC | AP |
| 3/8" | RTS138M1GM1 | .8 to 8 | RTS138M1LM1 | 3 to 30 | 671.03 | 907.83 | 907.83 | 1,144.66 |
| 3/8" | RTS138M2GM2 | .4 to 4 | RTS138M2LM2 | 1 to 10 | 671.03 | 907.83 | 907.83 | 1,144.66 |
| 1/2" | RTS150M1GM1 | 2 to 20 | RTS150M1LM1 | 7 to 70 | 671.03 | 907.83 | 907.83 | 1,144.66 |
| 1/2" | RTS150M2GM2 | .5 to 5 | RTS150M2LM2 | 2 to 20 | 671.03 | 907.83 | 907.83 | 1,144.66 |
| 3/4" | RTS175M1GM1 | 3 to 30 | RTS175M1LM1 | 11 to 110 | 671.03 | 907.83 | 907.83 | 1,144.66 |
| 3/4" | RTS175M2GM2 | .8 to 8 | RTS175M2LM2 | 3 to 30 | 671.03 | 907.83 | 907.83 | 1,144.66 |
| 1" | RTS110M1GM1 | 5 to 50 | RTS110M1LM1 | 20 to 200 | 671.03 | 907.83 | 907.83 | 1,144.66 |
| 1" | RTS110M2GM2 | 2 to 20 | RTS110M2LM2 | 7 to 70 | 671.03 | 907.83 | 907.83 | 1,144.66 |
| 1-1/2" | RTS115M1GM1 | 4 to 40 | RTS115M1LM1 | 15 to 150 | 731.71 | 968.51 | 968.51 | 1,205.34 |
| 1-1/2" | RTS115M2GM2 | 6 to 60 | RTS115M2LM2 | 25 to 250 | 731.71 | 968.51 | 968.51 | 1,205.34 |
| 1-1/2" | RTS115M3GM3 | 10 to 100 | RTS115M3LM3 | 40 to 400 | 731.71 | 968.51 | 968.51 | 1,205.34 |
| 2" | RTS120M1GM1 | 4 to 40 | RTS120M1LM1 | 15 to 150 | 747.19 | 984.00 | 984.00 | 1,220.85 |
| 2" | RTS120M2GM2 | 6 to 60 | RTS120M2LM2 | 25 to 250 | 747.19 | 984.00 | 984.00 | 1,220.85 |
| 2" | RTS120M3GM3 | 10 to 100 | RTS120M3LM3 | 40 to 400 | 747.19 | 984.00 | 984.00 | 1,220.85 |
| 2" | RTS120M4GM4 | 20 to 200 | RTS120M4LM4 | 70 to 700 | 747.19 | 984.00 | 984.00 | 1,220.85 |

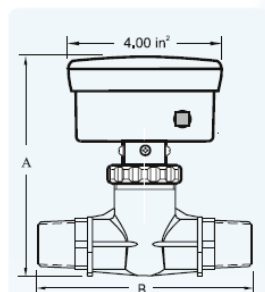
Transformer Powered models on Molded In-Line PVDF Body

| Pipe Size M/NPT | GPM MODELS | | LPM MODELS | | MODEL VARIATIONS LIST PRICE | | | |
|--------------------|--------------|------------|--------------|------------|-----------------------------|----------|----------|----------|
| | Model Number | Flow Range | Model Number | Flow Range | RT | AO | PC | AP |
| 3/8" | RTS138F1GM1 | .8 to 8 | RTS138F1LM1 | 3 to 30 | 778.13 | 1,014.97 | 1,014.97 | 1,251.80 |
| 3/8" | RTS138F2GM2 | .4 to 4 | RTS138F2LM2 | 1 to 10 | 778.13 | 1,014.97 | 1,014.97 | 1,251.80 |
| 1/2" | RTS150F1GM1 | 2 to 20 | RTS150F1LM1 | 7 to 70 | 778.13 | 1,014.97 | 1,014.97 | 1,251.80 |
| 1/2" | RTS150F2GM2 | .5 to 5 | RTS150F2LM2 | 2 to 20 | 778.13 | 1,014.97 | 1,014.97 | 1,251.80 |
| 3/4" | RTS175F1GM1 | 3 to 30 | RTS175F1LM1 | 11 to 110 | 778.13 | 1,014.97 | 1,014.97 | 1,251.80 |
| 3/4" | RTS175F2GM2 | .8 to 8 | RTS175F2LM2 | 3 to 30 | 778.13 | 1,014.97 | 1,014.97 | 1,251.80 |
| 1" | RTS110F1GM1 | 5 to 50 | RTS110F1LM1 | 20 to 200 | 778.13 | 1,014.97 | 1,014.97 | 1,251.80 |
| 1" | RTS110F2GM2 | 2 to 20 | RTS110F2LM2 | 7 to 70 | 778.13 | 1,014.97 | 1,014.97 | 1,251.80 |
| 1-1/2" | RTS115F1GM1 | 4 to 40 | RTS115F1LM1 | 15 to 150 | 957.40 | 1,194.26 | 1,192.96 | 1,431.08 |
| 1-1/2" | RTS115F2GM2 | 6 to 60 | RTS115F2LM2 | 25 to 250 | 957.40 | 1,194.26 | 1,192.96 | 1,431.08 |
| 1-1/2" | RTS115F3GM3 | 10 to 100 | RTS115F3LM3 | 40 to 400 | 957.40 | 1,194.26 | 1,192.96 | 1,431.08 |
| 2" | RTS120F1GM1 | 4 to 40 | RTS120F1LM1 | 15 to 150 | 994.84 | 1,231.69 | 1,231.69 | 1,468.49 |
| 2" | RTS120F2GM2 | 6 to 60 | RTS120F2LM2 | 25 to 250 | 994.84 | 1,231.69 | 1,231.69 | 1,468.49 |
| 2" | RTS120F3GM3 | 10 to 100 | RTS120F3LM3 | 40 to 400 | 994.84 | 1,231.69 | 1,231.69 | 1,468.49 |
| 2" | RTS120F4GM4 | 20 to 200 | RTS120F4LM4 | 70 to 700 | 994.84 | 1,231.69 | 1,231.69 | 1,468.49 |

Models listed above are with 115V AC/DC transformer and supplied "on-sensor" mounted.
 RT models only can be battery operated. All models are available with the display "Panel Mounted" remotely from the sensor.
 Consult the factory for ordering information.

INSTALLATION PIPE LENGTH REQUIREMENTS

| Type of Disturbance | Min. Inlet Pipe – Min. Outlet Pipe |
|-------------------------------|------------------------------------|
| Flange | 10 x I.D. – 5 x I.D. |
| Reducer | 15 x I.D. – 5 x I.D. |
| 90° Elbow | 20 x I.D. – 5 x I.D. |
| Two 90° Elbows - 1 Direction | 25 x I.D. / 5 x I.D. |
| Two 90° Elbows - 2 Directions | 40 x I.D. / 5 x I.D. |
| Pump Or Gate Valves | 50 x I.D. / 5 x I.D. |



DIMENSIONS

| Model | A | B |
|------------|--------|--------|
| 3/8" MPT | 5-7/8" | 4-3/4" |
| 1/2" MPT | 5-7/8" | 5-1/8" |
| 3/4" MPT | 6" | 5-1/4" |
| 1" MPT | 6" | 5-5/8" |
| 1-1/2" MPT | 6-1/2" | 7" |
| 2" MPT | 6-3/4" | 7" |