

# A1 Series

## Commercial Digital Flow Meter (Rate & 2 Totals, 1 Resettable)



Our economical grade electronic digital meters offer durable, compact, high precision fluid measurement systems at a fraction of the price you'd expect to pay for comparable systems with similar features and benefits.

### FEATURES

- Battery operated.
- Flow ranges: 0.3-300 GPM (depending on size).
- Rugged construction.
- Designed for indoor/outdoor use.
- Digital display with large 1/2" tall digits.
- Maximum batch total of 999,999.
- Approximate battery life is 4,000 hours.
- Displays instantaneous flow rate & flow totals (one totalizer is resettable).
- Ability to field calibrate (standard).

### TYPICAL APPLICATIONS

- Fuel transfer pumps.
- Lubrication oil.
- Geothermal heating and cooling systems.
- Garden hoses.
- Fertilizer trucks.
- Plant process water.
- Cement mixers.
- Pond water feed lines.

### MATERIALS OF CONSTRUCTION

#### Housing:

Aluminum or Nylon.

#### Rings:

316 stainless steel.

#### Bearings:

Ceramic.

#### Shaft:

Tungsten carbide.

#### Rotor:

Nylon.

#### Signal Generator:

Ferrite.

### A1 SERIES

### MODEL NUMBERING

Model Number: **A1XXXXX**

Electronics (see pg. 2) ———— ↑↑↑↑↑

Calibration: \_\_\_\_\_

**GM** = Gallons / Minute\*

**LM** = Liters / Minute\*\*

**XX** = No Computer

Turbine Material & Size: \_\_\_\_\_

**A025** = Aluminum, 1" Low Flow

**A100** = Aluminum, 1"

**A200** = Aluminum, 2"

**N025** = Nylon, 1" Low Flow

**N100** = Nylon, 1"

**X###** = Electronics Only\*\*\*

Fitting Type: \_\_\_\_\_

**N** = NPT Female

**I** = ISO Female

**B** = BSPP Female\*\*\*\*

**X** = Electronics Only

Packaging: \_\_\_\_\_

**A1** = Standard Low Flow, 1"

**A2** = Standard, 2"

**B1** = Low Flow, 1", Turbine Only

**B2** = 2", Turbine Only

**B3** = Electronics Only

**C1** = Generic Low Flow, 1"

**C2** = Generic, 2"

**C3** = Generic, Electronics Only

\* NPT only.

\*\* ISO only.

\*\*\* Specify turbine housing size.

\*\*\*\* A025 and A100 only.

# A1 Series

## Commercial Digital Flow Meter (Aluminum or nylon housing)

### PRESSURE RATING

150 PSI: Nylon  
300 PSI: Aluminum

### TEMPERATURE RANGE

14°F to 130°F

### WEIGHTS & SPECIFICATIONS

Size	Type	Flow Range		Repeatability	Accuracy (% of Reading)	Typical K-Factor	Frequency Range	Strainer Size	Wt. (lbs.)	Model No.
		GPM	LPM							
<b>Aluminum Housing</b>										
1"	Paddlewheel	0.3-3	1-11	±1.0%	±5.0*	2,200	11-110 Hz	55 mesh	1.35	A109GMA025NA1
1"	Turbine	3-50	11-190	±0.2%	±1.5	730	36.5-608.3 Hz	28 mesh	1.35	A109GMA100NA1
2"	Turbine	30-300	114-1,135	±0.2%	±1.5	72	36-360 Hz	28 mesh	3.0	A109GMA200NA2
<b>Nylon Housing</b>										
1"	Paddlewheel	0.3-3	1-11	±1.0%	±5.0*	2,200	11-110 Hz	55 mesh	1.0	A109GMN025NA1
1"	Turbine	3-50	11-190	±0.2%	±1.5	730	36.5-608.3 Hz	28 mesh	1.0	A109GMN100NA1

\* Depending on installation and fluid type. Field calibration is recommended for best accuracy.

### ELECTRONICS CHOICES

*Turbine with Local Display*

**09** = Standard: 2 button display, field configurable (2 totals, 2 calibrations, rate).

*Turbine Only*

**XX** = No electronics.