

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							
Aluminum Housing										
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
Nylon Housing										
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.