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 resetable).
- 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: \( A1\text{X}\text{X}\text{X}\text{X}\text{X} \)

**Electronics (see pg. 2)**

**Calibration:**
- \( \text{GM} \) = Gallons / Minute*
- \( \text{LM} \) = Liters / Minute**
- \( \text{XX} \) = No Computer

**Turbine Material & Size:**
- \( \text{A025} \) = Aluminum, 1” Low Flow
- \( \text{A100} \) = Aluminum, 1”
- \( \text{A200} \) = Aluminum, 2”
- \( \text{N025} \) = Nylon, 1” Low Flow
- \( \text{N100} \) = Nylon, 1”
- \( \text{X###} \) = Electronics Only***

**Fitting Type:**
- \( \text{N} \) = NPT Female
- \( \text{I} \) = ISO Female
- \( \text{B} \) = BSPP Female****
- \( \text{X} \) = Electronics Only

**Packaging:**
- \( \text{A1} \) = Standard Low Flow, 1”
- \( \text{A2} \) = Standard, 2”
- \( \text{B1} \) = Low Flow, 1”, Turbine Only
- \( \text{B2} \) = 2”, Turbine Only
- \( \text{B3} \) = Electronics Only
- \( \text{C1} \) = Generic Low Flow, 1”
- \( \text{C2} \) = Generic, 2”
- \( \text{C3} \) = Generic, Electronics Only

* NPT only.
** ISO only.
*** Specify turbine housing size.
**** A025 and A100 only.

Contact us for the most recent product and technical information. Visit our website for more details: assuredautomation.com
## A1 Series

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

### PRESSURE RATING

<table>
<thead>
<tr>
<th>Size</th>
<th>Type</th>
<th>Flow Range</th>
<th>Repeatability</th>
<th>Accuracy (% of Reading)</th>
<th>Typical K-Factor</th>
<th>Frequency Range</th>
<th>Strainer Size</th>
<th>Wt. (lbs.)</th>
<th>Model No.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Aluminum Housing</td>
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<td>1&quot;</td>
<td>Paddlewheel</td>
<td>0.3-3</td>
<td>±1.0%</td>
<td>±5.0*</td>
<td>2,200</td>
<td>11-110 Hz</td>
<td>55 mesh</td>
<td>1.35</td>
<td>A1090GA025NA1</td>
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<tr>
<td>1&quot;</td>
<td>Turbine</td>
<td>3-50</td>
<td>±0.2%</td>
<td>±1.5</td>
<td>730</td>
<td>36.5-608.3 Hz</td>
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<tr>
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<td>36-360 Hz</td>
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<td>3.0</td>
<td>A1090MA200NA2</td>
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<tr>
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<td>Nylon Housing</td>
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### TEMPERATURE RANGE

14°F to 130°F

### WEIGHTS & SPECIFICATIONS

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### ELECTRONICS CHOICES

**Turbine with Local Display**

- **09** = Standard: 2 button display, field configurable (2 totals, 2 calibrations, rate).
- **Turbine Only**
- **XX** = No electronics.

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