

### Aluminum

FLOMEC® Commercial Grade Meters are identified by an A1 prefix. Commercial Grade Meters are packaged as a self-contained unit. Select this meter when you need an accurate, basic meter. GPI Commercial Grade Meters come in Aluminum or Nylon housing material.

Choose one of three sizes of Aluminum meters for petroleum products. Use the Nylon meters for water or non-aggressive chemicals.



*"Look for the silver label!"*

### Nylon



For complete part number, see  
"Meter Number Reference" for this section.

**ACCURACY:  $\pm 1.5\%$  READING**  
(On models A100, A200 and N100)

#### Select Your Fitting Size:

##### Aluminum

Low Flow    1 inch    2 inch

##### Nylon

Low Flow    1 inch

#### Features and Benefits:

- ✓ Unique package combines Turbine and LCD into a self-contained, compact, economical meter.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; User Configuration and Rate of Flow.
- ✓ Output capabilities available to communicate with process control equipment.
- ✓ Lightweight, compact design allows for easy installation.
- ✓ Lithium battery life: 5 years.

#### APPROVALS



|                                     | ALUMINUM  |  |  | NYLON                                    |  |
|-------------------------------------|---|--|--|--|--|
|                                     | A025 (Low Flow)   | A100 (1 inch)                            | A200 (2 inch)                            | N025 (Low Flow)                          | N100 (1 inch)                            |
| <b>Design Type:</b>                 | Paddlewheel   | Turbine                                  | Turbine                                  | Paddlewheel                              | Turbine                                  |
| <b>Housing Material:</b>            | Aluminum  | Aluminum                                 | Aluminum                                 | Nylon                                    | Nylon                                    |
| <b>Fitting Size:</b>                | 1 inch  | 1 inch                                   | 2 inch                                   | 1 inch                                   | 1 inch                                   |
| <b>Fitting Type:</b>                | NPT, ISO♦ or BSPP(female)   | NPT, ISO♦ or BSPP(female)                | NPT or ISO♦ (female)                     | NPT or ISO♦ (female)                     | NPT or ISO♦ (female)                     |
| <b>Flow Range (GPM):</b>            | 0.3 - 3 GPM   | 3 - 50 GPM                               | 30 - 300 GPM                             | 0.3 - 3 GPM                              | 3 - 50 GPM                               |
| <b>Flow Range (LPM):</b>            | 1 - 11 LPM  | 11 - 190 LPM                             | 114 - 1,135 LPM                          | 1 - 11 LPM                               | 11 - 190 LPM                             |
| <b>Accuracy:</b>                    | Application Dependent *   | ± 1.5% of reading                        | ± 1.5% of reading                        | Application Dependent *                  | ± 1.5% of reading                        |
| <b>Repeatability:</b>               | ± 1%  | ± 0.2%                                   | ± 0.2%                                   | ± 1%                                     | ± 0.2%                                   |
| <b>Pressure Rating:</b>             | 300 PSI / 21 BAR  | 300 PSI / 21 BAR                         | 300 PSI / 21 BAR                         | 150 PSI / 10.2 BAR                       | 150 PSI / 10.2 BAR                       |
| <b>Operating Temperature Range:</b> | -40° F to +250° F<br>(-40° C to +121° C)                                  | -40° F to +250° F<br>(-40° C to +121° C) | -40° F to +250° F<br>(-40° C to +121° C) | -40° F to +250° F<br>(-40° C to +121° C) | -40° F to +250° F<br>(-40° C to +121° C) |
| <b>with Computer:</b>               | 0° F to +140° F<br>(-18° C to +60° C)                                     | 0° F to +140° F<br>(-18° C to +60° C)    | 0° F to +140° F<br>(-18° C to +60° C)    | 0° F to +140° F<br>(-18° C to +60° C)    | 0° F to +140° F<br>(-18° C to +60° C)    |
| <b>Wetted Material - Housing:</b>   | Aluminum  | Aluminum                                 | Aluminum                                 | Nylon                                    | Nylon                                    |
| <b>Bearings:</b>                    | Ceramic   | Ceramic                                  | Ceramic                                  | Ceramic                                  | Ceramic                                  |
| <b>Shaft:</b>                       | Tungsten Carbide  | Tungsten Carbide                         | Tungsten Carbide                         | Tungsten Carbide                         | Tungsten Carbide                         |
| <b>Rotor:</b>                       | Nylon   | Nylon                                    | Nylon                                    | Nylon                                    | Nylon                                    |
| <b>Signal Generators:</b>           | Ferrite   | Ferrite                                  | Ferrite                                  | Ferrite                                  | Ferrite                                  |
| <b>Rings:</b>                       | 316 Stainless Steel   | 316 Stainless Steel                      | 316 Stainless Steel                      | 316 Stainless Steel                      | 316 Stainless Steel                      |
| <b>Typical K-Factor:</b>            | 2200 PPG / 581 PPL  | 730 PPG / 193 PPL                        | 72 PPG / 19 PPL                          | 2200 PPG / 581 PPL                       | 730 PPG / 193 PPL                        |
| <b>Frequency Range:</b>             | 11 - 110 Hz @<br>0.3 - 3 GPM  | 36.5 - 608.3 Hz @<br>3 - 50 GPM          | 36 - 360 Hz @<br>30 - 300 GPM            | 11 - 110 Hz @<br>0.3 - 3 GPM             | 36.5 - 608.3 Hz @<br>3 - 50 GPM          |
| <b>Recommended Strainer Size:</b>   | 55 mesh   | 28 mesh                                  | 28 mesh                                  | 55 mesh                                  | 28 mesh                                  |
| <b>Shipping Weight:</b>             | 1.35 lbs. (0.61 kg)   | 1.35 lbs. (0.61 kg)                      | 3.0 lbs. (1.36 kg)                       | 1.0 lbs. (0.5 kg)                        | 1.0 lbs. (0.5 kg)                        |
| <b>Local Display:</b>               | 09 Computer<br>(See page 63)  | 09 Computer<br>(See page 63)             | 09 Computer<br>(See page 63)             | 09 Computer<br>(See page 63)             | 09 Computer<br>(See page 63)             |
| <b>Calibration Report</b>           | Comes standard with A1 Series Meters. N.I.S.T. – Certification available. |  |  |  |  |

\* Accuracy can vary up to ± 5% depending on installation and fluid type.  
Field Calibration is recommended for best accuracy.

♦ ISO 7 Designation is RC.