

Digital Flow Meter & Totalizer – Aluminum



Model 317 04 A100

These meters offer durable, compact, high precision fluid measurement systems at a fraction of the price you would expect to pay for flow meters with similar features and benefits.

Two body sizes are available as shown. Batteries are easy to replace in the field.



Model 317 04 A200

The CMOS, microprocessor-based electronics have extremely low power requirements and data retention capabilities in both RAM and ROM. Information is clearly displayed on a large 6-digit liquid crystal display with two-point floating decimal for totals from .01 to 999,999. All operations are accessed with two buttons which simplify operations.

Output Module Accessories available are FM Approved Remote Kit, Standard Remote Kit, Conditioned Signal Output.

Features

- ◆ Sizes 1" and 2" NPT
- ◆ FM Approved Class I Div I
- ◆ Battery Operated
- ◆ Up to 3 Totals
- ◆ Batch & Cumulative Totals
- ◆ Rate of Flow
- ◆ Field Calibratable
- ◆ 6 Digits - Floating Decimal
- ◆ Auto & Manual ON/OFF
- ◆ Output Module Accessories Available. See Page 22.

Ratings

- ◆ Temperature:
 - 140°F with Display
 - 250°F without Display
- ◆ Pressure: 300 PSIG

Materials (Wetted)

- ◆ Body: Aluminum
- ◆ Rotor/Support: Nylon
- ◆ Bearings: Ceramic
- ◆ Shaft: Tungsten Carbide
- ◆ Retaining Rings: 316SS

Not recommended for water

Power Source—is two lithium batteries which provide at least 4000 hours of actual use. (Batteries included).

Cumulative Total 1—is the non-resettable total of all liquid metered since the battery were connected.

Batch Total 2 or 3—is the resettable total of liquid metered since the last manual clearing of this total.

Calibration A—is a factory-preset calibration for water like material and cannot be changed.

Calibration B or C—is set and changed by the user.

Model Selection Table

Computer Type	1" NPT (Low Flow)	1" NPT	2" NPT
03 - 2 Totals, 2 Calibrations	317 03 A025	317 03 A100	317 03 A200
04 - 2 Totals, 2 Calibrations, Rate	317 04 A025	317 04 A100	317 04 A200
05 - 3 Totals, 3 Calibrations	317 05 A025	317 05 A100	317 05 A200
06 - 2 Totals, 1 Calibrations	317 06 A025	317 06 A100	317 06 A200
07 - 3 Totals, 3 Cals., Rate	317 07 A025	317 07 A100	317 07 A200
08 - Rate Only, 2 Calibrations	317 08 A025	317 08 A100	317 08 A200

Specifications	1" NPT (Low Flow)	1" NPT	2" NPT
Flow Range (GPM)	0.3—3	3—50	30—300
Internal Diameter	0.25"	1"	2"
Design Type	Paddlewheel	Turbine	Turbine
Accuracy —Factory Calibration	±1.5%	±1.5%	±1.5%
Accuracy —Field Calibration	±1.0%	±1.0%	±1.0%
Max Press Drop-Max Flow Rate(PSIG)	2	5	7
Weight (lbs)	1	1	2.5
Length x Height x Width (Inches)	4 x 2.5 x 2	4 x 2.5 x 2	6 x 4.25 x 3