

A1 SERIES NYLON TURBINE METER



FLOMEC® A1 Series Turbine Meters are designed as self-contained, battery-powered units. Select the A1 Nylon Series when you need an accurate meter for water or non-aggressive chemical applications. Intrinsically safe for use in hazardous areas.†

FEATURES / BENEFITS

- Unique package combines Turbine and LCD into a self-contained, compact, economical meter
- Local Display Computer features: 2 Non-Volatile Totals (Batch Total = Resettable, Total = Non-resettable) and Rate of Flow
- Output capabilities available to communicate with process control equipment
- Lightweight, compact design allows for easy installation
- 12 selectable engineering units (gallons or liters are standard defaults)
- Factory calibration
- AAA Alkaline battery life: 2 years

SPECIFICATIONS

Model Number:		A1N-10-N-Q w/ Q9 display
Design Type:		Turbine
Fitting Size / Fitting Type:		1 inch / NPT (Female)
Flow Range:		3-50 GPM 11-190 L/min
Accuracy (% of Reading):		± 1.5%
Pressure Rating (Nylon):		150 psi (10.3 bar)
Operating Temperature Range:		-40°F to 250°F (-40°C to 121°C)
with Safe Area Only Display:		0°F to 140°F (-18°C to 60°C)
with Intrinsically Safe Display:		0°F to 129°F (-18°C to 54°C)
Typical K-Factor:		730 PPG (193 Pulses/L)
Frequency Range:		36.5-608.3 Hz @ 3-50 GPM (11-190 L/min)
Recommended Strainer Size:		35 mesh (500 µm)
Wetted Materials (Nylon):	Housing:	Nylon
	Bearings:	Ceramic (96% Alumina)
	Shaft:	Tungsten Carbide
	Rotor:	Nylon
	Rings:	316 Stainless Steel
Calibration Report:		Comes standard with A1 Series meters.
		N.I.S.T. – Certification available.

Field calibration is recommended for best accuracy.

APPLICATIONS

- Plant Process Water
- Batching / Blending
- Water / Non-Aggressive Chemicals
- Ag Chemicals
- Solvents / Glycol
- Chemical Feed Lines

APPROVALS† / WARRANTY



†If the meter includes any modules (4-20 mA and Pulse Out) that introduces external power, then all intrinsic safety approvals are voided.

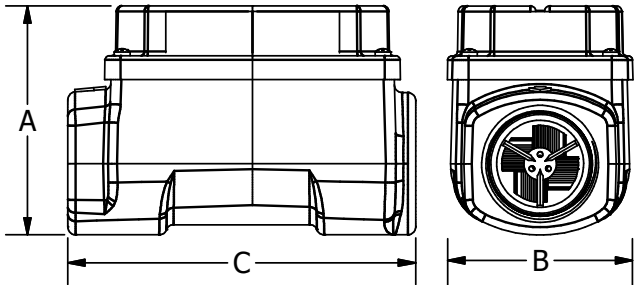
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DIMENSIONS

A = Height*	2.5 in. (63.5 mm)
B = Width	2.0 in. (50.8 mm)
C = Length	4.0 in. (101.6 mm)

**Height includes 0.7 in. (1.8 cm) for the computer electronics.*



ACCESSORIES

113275-10
FM Approved* Remote Kit



113435-10
Conditioned Signal Module



125100-10
4-20 mA Module



125260-02
90° Display Adapter Kit



**Does not make Non-FM or Non-ATEX Approved meters FM or ATEX Approved*