

# Liquid Flow Meters and Controllers

Precision flow measurement and control for liquids



The Fastest Flow Controller Company in the World!



[alicat.com/liquid](http://alicat.com/liquid)

## L liquid flow meter



**LB** portable liquid flow meter

## LC/LCR liquid flow controller



# Liquid Flow Meters and Controllers

Ultra-fast control for liquid flows with rock-solid stability and responsiveness.

## Making You Faster

- **20 ms meter response.**
- **100 ms control response:** stills upstream fluctuations.
- **Instant on:** ready in 1 second.
- **All flow data** visible on one screen (flow, pressure, temp).
- **Controller PID valve tuning** for best speed and stability.

## Quick Specs

- Available flow ranges:** 0-0.5 ccm to 0-10 lpm
- Accuracy:**  $\pm 2\%$  of full scale (NIST-traceable).
- Linear range:** 2-100% of full scale (50:1).
- Digital and analog outputs** in multiple formats.
- Stand-alone unit:** no need for computer or PLC.
- Portable meter:** up to 18 hours of continuous use on a single charge, rechargeable via USB.
- Lifetime warranty** gives you peace of mind.

## Tailored for You

### L Liquid Flow Meter

Monitor liquid flows and line pressure in real time.

### LB Portable Liquid Flow Meter

Easy, handheld flow verification takes just a few seconds.

### LC Liquid Flow Controller

Control and dispense flowing liquids with fast response.

### Customization Options:

**Bidirectional Flow Calibration** enables full-scale readings in both flow directions.

**Integrated Flow Totalizer** provides cumulative readings of total quantity flowed over time.

**Precision Dispensing Package** for fast and repeatable dispensing of liquids in batches.

**CSA Class 1 Div 2 (ATEX Zone 2) Classification** permits operation in hazardous environments.

**Backlit Color Display** shines in low lighting.

## Sample Application

### Product Dispensing

Dispense liquid products over a wide range of flow rates with the optional Precision Dispensing Package. Rapid valve response accommodates changing flow requirements and short dispensing periods. Digital feedback from PLC or PC allows real-time changes to maintain optimal process conditions.

