Do what you want, faster

Since 1991, Alicat has worked closely with those at the forefront of scientific discovery and technological development. We provide fast instruments, fast delivery, and fast answers so you can focus on getting fast results.

Alicat offers:

- *Custom-engineered mass flow and pressure devices with multivariate measurement and control*
- *NIST-traceable calibrations, ISO and ATEX certifications, ROHS compliance, and CE marks*
- *Lifetime warranty and free technical support from our skilled applications engineers*

How our mass flow devices work

Alicat differential pressure mass flow instruments measure flow using innovative laminar differential pressure technology:

1. As a turbulent gas flow enters the device, it travels into a chamber designed to laminarize the flow.
2. Internal sensors measure the differential pressure across the chamber, which is used to calculate mass flow and volumetric flow.
3. Readings are taken each millisecond, ensuring fast and accurate measurement and control.

Tucson, Arizona
World Headquarters
alicat.com
Phone:
+1 520-290-6060
+1 888-290-6060
Email: info@alicat.com

China and
Southeast Asia
alicat.com.cn
Phone:
+86-21-60167681
+86-60-167680
Email: info-cn@alicat.com

Europe
Phone: +31 (0) 26 203.1651
Email: europe@alicat.com

India
Phone: +91-22-46081434
Email: info-in@alicat.com

With manufacturer's representatives worldwide.

A Halma company

FAST · ACCURATE · RELIABLE

MASS FLOW and PRESSURE INSTRUMENTATION

A Halma company

Mass Flow

Fast, accurate, differential-pressure-based, mass flow measurement. Multivariate measurement and control of mass flow, volumetric flow, or pressure with one device.

Meters and Controllers

- *Multivariate readings of mass flow, volumetric flow, pressure, and temperature*
- *Up to 130 pre-loaded gas calibrations*
- *NIST-traceable: accuracies as good as 0.5% of reading*
- *10 ms measurement response; 30 ms control response*
- *Flow rates from 0.5 SCCM to 5000 SLPM*
- *Measurement and control range: 0.01–100% of full scale*
- *No warm-up time*

CODA Coriolis

New high-accuracy mass flow devices insensitive to external vibration and independent of fluid composition.

Meters and Controllers

- *Vibration-insensitive readings*
- *NIST-traceable: accuracies as good as 0.2% of reading*
- *Pressures up to 4,000 PSIA*
- *Flow rates from 0.08–100,000 g/h*
- *Totalizer standard on every device*

Liquid

Fast and stable measurement and control of volumetric flow and pressure.

Meters and Controllers

- *Highly repeatable and reliable measurement and control for liquid applications*
- *NIST-traceable: accuracies of 2% of full-scale*
- *20 ms meter response*
- *100 ms control response*
- *No warm-up time*

Pressure

Devices for absolute, gauge, or differential pressure. Fast, repeatable control for flowing, dead-ended, or vacuum processes.

Gauges and Controllers

- *Rapid response with high control stability*
- *Custom pressure ranges from 10 TorrA to 3000 PSIG or 500 PSID*
- *NIST-traceable: accuracies as good as 0.125% of reading*
- *10 ms measurement response*
- *30 ms control response*
- *Measurement and control range: 0.01–100% of full scale*

CUSTOM CONFIGURATIONS FOR YOUR APPLICATION

Anti-Corrosive
Compatible with 32+ pure corrosive gases and most refrigerant gases.

Low Pressure Drop
Measure and control flow rates with pressure drops as low as 0.07 PSID.

Bidirectional Flow
Control volumetric flow, mass flow, or pressure in both directions with just one device.

OEM
Compact, highly customizable package for easy integration of flow and pressure devices into OEM applications.

Portable
Ideal for on-the-go process calibration, verification, and validation.

IP-Rated
Most devices configurable up to a rating of IP67.