

FP-25

Field Flow Calibrator

for Particulate Matter Air Samplers



All-Weather Accuracy from Anchorage to Miami

Be confident in your flow measurements, no matter the weather. Responsive temp probes and humidity sensors keep the weather in check as you monitor flow, pressure and temperature in real time. Or, collect a robust average of 5000 readings in 5 seconds.

Fast & Easy Operation for all low-vol samplers

Connect quickly to any low-volume sampler with the industry's only pass-through PM10/PM2.5 inlet connection. Or, use the included barb fitting with face seal for no-hassle fitting changes. Rapid temperature equilibration lets you get started right away.

Durable Field Design with weatherproof construction

Keep calibrating after a drop from the roof, or finish your audit if it starts to rain. This compact calibrator fits in your pocket but is built tough in an all-aluminum weatherproof body with IP67 connections and the industry's only lifetime warranty.

PARTISUL
Model 2000 Air Sampler
US & INTERNATIONAL

FP-25 Flow Calibrator for PM Samplers



Direct connect fittings for sampler downtubes are easy to connect and reduce the likelihood of leaks.

EPA Requirement

Alicat FP-25 Specs

Flow	Accuracy: Range:	+/- 2% reading	+/- 1.0% reading, NIST-traceable 0.125-25.000 lpm/slp
Pressure	Accuracy: Range:	+/- 5 mmHg 600-800 mmHg	+/- 1 mmHg, NIST-traceable 475-825 mmHg
Temperature	Accuracy: Range:	+/- 0.5°C -30°-45°C	+/- 0.2°C (external temp probe), NIST-traceable -30°-60°C

Alicat FP-25 Build Specifications

Battery	Life: Recharge:	12 hours of continuous use 3.5 hours via included 2-amp USB power supply
Connections	Fittings: Electrical:	2 downtube Direct Mode adapters and 1 barb fitting micro-USB for digital communications and charging
Durability	FP-25: Case:	IP67 connections, lifetime warranty Waterproof hard case
Dimensions	FP-25: In case:	7.6"x1.4"x2.5" (1.4 lb) 12.5"x14.5"x5.4" (6.7 lb)

Calibration Quick-Start

- 1. Connect** the Alicat to your sampler's inlet tube with the direct connect fittings, and then reconnect the 10 hat. Or, connect through the sampler's inlet adapter with the barb fitting and silicone tubing.
- 2. Monitor** live flow (both actual and standardized), barometric pressure and temperature readings as soon as the Alicat powers on.
- 3. Measure** each calibration point by hitting the averaging button. The Alicat will average 1000 readings per second for your chosen duration. Repeat for each calibration point.
- 4. Log** live or timed measurement data by connecting the Alicat to a PC via the USB cable.