Electronic Pressure Controllers
MODERN PRESSURE CONTROL FOR OEM APPLICATIONS

100 ms control response
Customized body design
Wide range of pressures
Adjustable valve tuning
Accurate to 0.125% of scale

Shown actual size

**Quick Specifications:**

**Gauge Ranges:**
1, 5, 15, 30, 100, 300 PSIG
2, 4, 10, 20 inH₂O

*Custom ranges also available*

**Absolute Ranges:**
15, 30, 100, 300 PSIA

*Custom ranges also available*

**Operating Range:**
0.5–100% full-scale
200:1 Turndown

**Accuracy:**
±0.125% full-scale (NIST-traceable)

**Repeatability:**
0.05% of full scale

**Signals:**
RS-232/485 or Modbus RTU digital
and 0–5 Vdc analog
(0–10 Vdc customizable)

**Communications:**
Modbus RTU or ASCII Serial

**Process Connections:**
Available in NPT, SAE

---

**Fast in Every Way**

- **100 ms control response**
  Stills upstream fluctuations

- **Accessible valve control tuning**
  for best speed and stability

- **Instant warm-up**
  Measures at full accuracy in 70 ms

- **Ready to ship**
  Versatile stock reduces lead time

---

**Selected Applications**

**Pressure Control for Split Flow Gas Chromatographs**

Alicat’s single proportional valve EPC maintains stable carrier gas flow rates at the sample injector within a gas chromatograph. A second backpressure EPC on the split flow vent ensures sufficient column head pressure. Small size, fast response and dual analog/digital communications make the EPC easy to build into OEM products.

---

**Fluidic Dispensing for Flow Cytometry**

EPCDs have inlet and exhaust valves for efficient control of head space pressures to propel the sheath fluid and the cellular sample through the flow cytometer’s laser. High EPCD accuracy and wide usable ranges make possible the dispensing of precise amounts of fluid.