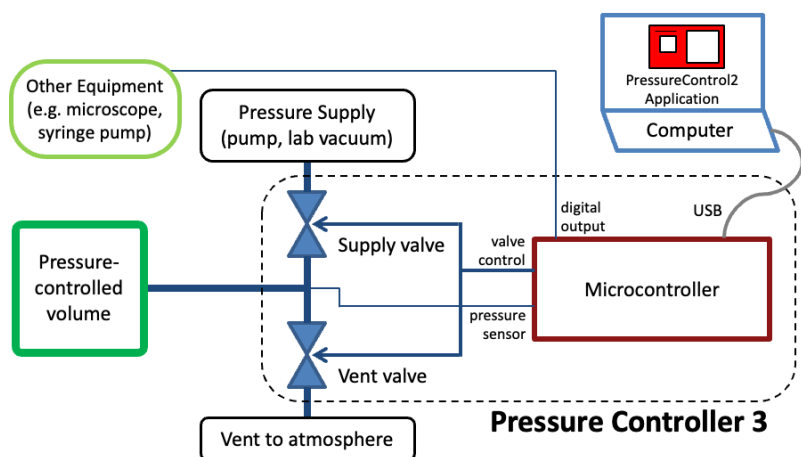# Pressure Controller 3

DESCRIPTION

The Pressure Controller 3 is a programmable pneumatic pressure controller designed for use in laboratory settings. The controller user interface runs on a computer and allows the user to set static pressure setpoints and program dynamic pressure behavior for interactive or stand-alone operation. Pressure measurements can be recorded and saved in interactive mode. A digital output signal allows for synchronization with other equipment such as microscopes or syringe pumps.

System Diagram

Pressure Controller 3

Specification	Value
Pressure Range	0 – 100 kPa (vacuum)
Control Bandwidth	100 Hz
Pressure Resolution	0.1 kPa
Digital Sync Output	3.3 V TTL, BNC connector
Programmable Waveforms	Constant, Sinusoid, Square, Ramp
Power Consumption	100 mA @ 24 Vdc
Size	5 x 6 x 3 inches (127 x 152 x 76 mm)
Weight	2 lbs. (4.4. kg)

Controllers are built to order and customization is possible. For example, different pressure ranges or valves optimized for larger control volumes can be configured. Contact Red Dog Research for more information about customization options.

For more information, including pricing and ordering, please contact: pressure@reddogresearch.com