



Custom Electronics Systems, Inc.
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Flow Controller and Back Pressure Indicator (CES 280)

Owner's Technician Manual

Introduction

Features:

- Accurate, high speed pneumatics.
- Built in laminar flow element
- Easy to read 0.56" LED display.
- Easy to access front panel controls.
- Immune to EMI / RFI (i.e. electrical and radio interference)
- Cost Effective

Example Applications:

FIXME

Description:

The CES 280 Flow Controller and Back Pressure Indicator produces a controlled flow and back pressure indicator in one convenient instrument.

The Flow Controller monitors the flow being controlled in a laminar flow element. The pressure drop across the laminar flow element is monitored by a variable reluctance pressure transducer, transformed into an electrical signal by the oscillator demodulator. The actual flow is compared to the desired flow. The output of the CES 227 controls an E/P that controls the flow through an air to vacuum converter that produces the flow through the flow element.