PRODUCT DATASHEET

Automated Gas Pressure Control System

Precise, programmable gas pressure





DETAIL – CONTROLLER FRONT PANEL

OVERVIEW

The Tech Inc. Automated Gas Pressure Control System sets and holds gas pressure exactly where a test needs it. Electronic pressure regulators and a control valve, driven by a controller with a high-accuracy transducer, follow programmed set points, ramps, holds and cycles, and log every value.

MODELS AND CONFIGURATIONS

- **Low-pressure model** – mbar to a few bar.
- **Standard model** – up to about 200 bar.
- **Dual-channel model** – two independent pressures.

TYPICAL DESIGN DATA

Model	TI-APC-100 series
Range	Vacuum to about 200 bar
Accuracy	Typically ±0.05% of full scale
Control	Set point, ramp, hold and cyclic profiles
Gases	Air, nitrogen, helium and inert gases

APPLICATIONS

Porometers and permeameters, membrane and filter tests, reactor pressure control, sensor and gauge testing, and leak test rigs.

KEY ADVANTAGES

- **Precise** – closed-loop control on a reference transducer
- **Programmable** – ramps, holds and cycles
- **Integrated** – standard interfaces to your rig
- **Logged** – full pressure record

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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