

## LabVIEW IEEE-488 Control Program for 1025FX *Merco-Master*® Manometer (Part Number: 1100-4002)

The *Merco-Master Manometer Control Program* from Schwien Engineering provides a software package with GPIB automation testing for the pressure calibration needs of today's calibration labs.

### FEATURES

#### SYSTEM REQUIREMENTS

- IBM PC-compatible computer
- Windows 9x/2000/XP
- 32MB RAM (min)
- 5MB hard drive (min)
- 800x600 resolution monitor (min)
- IEEE-488 GPIB interface
- Microsoft Excel (optional)
- National Instruments LabVIEW (optional)

#### REAL-TIME CONTROL

- Set Pressure
- Engineering Units
- Read/Write Pressure Data
- Hg Valve Inhibit
- Fine Hold
- Countdown Dwell Timer
- Incremental Stepping

#### REAL-TIME DISPLAY

- Current Pressure
- Current Position
- Manometer Status
- Countdown Dwell Timer
- GPIB UUT Reading

#### AUTOMATION & PRESSURE FILES

- Reads IEEE-488 GPIB UUT
- Manual, auto, semi-auto control
- Unlimited number of test points
- Variable dwell times
- Read/Write test points out of sequence
- Auto or manual UUT reading
- Uses Excel so test data is portable

#### SELECTABLE ENGINEERING UNITS

- Inches of Mercury (0° C)
- PSI
- Torr
- Kilopascals
- Millibars
- Inches of Water (25° C)
- Altitude (ft)

#### OTHER FEATURES

- User-defined pressure limits
- User-defined correction offset
- Keyboard shortcuts for most functions
- LabVIEW control program code provided
- LabVIEW instrument drivers provided