SPECIFICATIONS

**Backlight Feature**
Press the button and the backlight illuminates for approximately 20 seconds then turns off automatically.

**Measurement Modes**
The meter can be set to measure pressure in the following modes: bar, mmHg, oz/in², kg/cm², psi, inH₂O, kPa, ftH₂O, inHg, cmH₂O and mbar. Each press of the UNIT button will cycle the meter through each of the measurement modes. An arrow at the bottom of the LCD will indicate the mode selected. The meter will default to the mode last selected before meter was turned off.

**Clearing Display to Zero**
To clear the display to zero disconnect from all pressure and press the HOLD button for 3 seconds. “o o o o” will appear on the LCD and the meter value will be cleared to zero.

**Hold Mode**
Pressing the HOLD button once will “freeze” the measurement reading. “HOLD” will appear at the upper left of the LCD indicating the meter is in the hold mode. Press the HOLD button again to return the meter to pressure measurement mode.

(Continued on next page)
Differential Mode
Differential pressure is the measurement of the difference between two pressures.

EXAMPLE: Use differential pressure sensor to measure gauge pressure by leaving one process connection open at atmosphere and connecting the second sensor port to your system.

Press the DIF button, “DIF” appears at the top of the LCD. The display indicates the relative zero – only the amount of pressure change will be indicated. Press DIF button again and the meter returns to normal pressure measurement mode.

Recording
1. Turn the meter on and press the HOLD button for 3 seconds. “o o o o” will appear on the display and the pressure reading will be cleared to zero.
2. Press the REC button to begin recording a reading. “REC” will appear in the lower left of the LCD, the timer will begin counting up and the pressure value will display.
3. To turn the record feature off press and hold the REC button for 3 seconds.

NOTE: Only the REC, power and backlight buttons will be operable in the Record mode.

Minimum/Maximum Readings
While in the recording mode the minimum and maximum readings can be recalled.
1. Press the REC button and “MAX” will display in the lower left of the LCD. The display will show the maximum pressure value recorded and the time of recording.
2. Pressing the REC button again displays the “MIN” icon on the screen and the time and value of the minimum pressure recording.
3. Another press of the REC button returns the display to the current timer and pressure readings.

Error Messages Displayed
“Err.1” - Pressure value exceeds maximum range
“Err.2” - Pressure value is less than minimum range
“Err.3” - When operating in DIF mode, differential pressure value is larger than maximum range
“Err.4” - Tubing was left connected while setting zero (try resetting zero), if this does not clear the error the sensor or meter is damaged.
“E10L” or “E2UL” (when operating RS232) - pressure source is less or over range

ATTACHMENTS
Hose/tubing
RS-232 serial computer output
ABS plastic carrying case

ALL OPERATIONAL DIFFICULTIES
If this unit does not function properly for any reason, replace the battery with a new high-quality battery (see “Battery Replacement” section). Low battery power can occasionally cause any number of “apparent” operational difficulties. Replacing the battery with a new fresh battery will solve most difficulties.

BATTERY REPLACEMENT
Erratic readings, a faint display, no display, flashing display or “BAT” appearing on the display are all indicators that the battery must be replaced. To replace the battery remove the tubing from the unit. Lay the unit face down on a clean, flat surface. Remove the screw from the battery cover and slide the cover off in the direction indicated. Replace the exhausted battery with a new 9 volt alkaline battery. Replace the battery cover and screw into place. Replacement battery Cat. No. 1112.

ACCESSORIES
Cat. No. 8045   Data Acquisition System Accessory
Captures, displays, and stores readings on any PC computer.
Information can be imported into spreadsheets, word processors, databases, and statistical program. Supplied complete with serial cable and CD.

WARRANTY, SERVICE, OR RECALIBRATION
For warranty, service, or recalibration, contact: