

## PMAC 2000

### PROCESS MONITOR AND CONTROLLER

The 90222 is a portable Process Monitor and Control Instrument designed to work with our Auto-ID transducers for Plug and Play operation. The PMAC 2000 is also directly compatible with any non Auto-ID strain gage based transducer. This versatile instrument is designed for:

- Measuring force, torque, pressure, or displacement
- Capturing and storing multiple peaks
- High speed recording of measurement profiles vs. time
- It now includes optional simultaneous Angle or RPM measurements
- Control of remote devices

### SPECIFICATIONS

Digits ..... 4 (5 w/no decimal)  
Height of digits ..... 0.25"  
Sampling rates.....  
    Track ..... 4 Hz  
    Peak..... 5 kHz  
    Record ..... selectable up to 10 kHz  
Frequency response ..... (-3 dB) at 1000 Hz  
Accuracy ..... max error = 0.05% of F.S.  
Max input and F.S. .... +/- 4.5 mV/V  
Polarity ..... Bi-polar  
Bridge excitation ..... 7 V supplied  
Minimum bridge impedance ..... 120ohms  
Data output ..... RS-232 port ASCII, 9600 baud, 8-N-1  
Control/limit outputs ..... Open collector  
Analog output ..... 0 to 2.4 Vdc (1Vdc@2 mV/V)  
Dimensions ..... 6.0W x 8.0D x 1.75H  
Power.....  
    AC (adapter supplied) .....115 Vac  
    Batteries ..... 9.6 V internal/rechargeable



MODEL 90222 - PORTABLE VERSION

VIDEO

### FEATURES

- Continuous process monitoring (tracking)
- 3 peak recording functions
- 2 record functions (with multiple sampling rates from 1Hz to 10 kHz and storage for up to 8,000 data points)
- 3 process control output signals (for High, Low, and Target occurrences)
- RS232 serial output
- Storage capability for up to 8,000 peak readings
- 4 log operation functions (viewing, uploading, printing, and erasing)
- Automatic Plug and Play calibration with SDI's strain gage based Auto-ID sensors
- Selectable engineering units
- Menu locking feature
- Automatic power-down (when sensor is not plugged in)
- Rechargeable Ni-Cad batteries
- Works with all full bridge strain gage based transducers

### OPTIONS

- Graphic User Interface software available
- Simultaneous angle or RPM measurements