

## 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