90229

TORQUE VERIFICATIONS SYSTEM

SDI's 90229 is designed for calibrating tools used to apply torque including electric and pneumatic power tools, torque sensors, hand and click wrenches. The strain gage based reaction torque sensors in the bench-mount housing remain stationary while torque is applied. The housing dis-assembles by removing two snap pins, allowing the user to easily change socket sizes and capacities.

DWG

SYSTEM INCLUDES:

- The PMAC 2000 (Model 90222), a portable auditing instrument with peak reading and storage capability.
- Choice of two 01190 socket extension torque sensors, with Auto-ID for easy interchangeability.
- Bench mounted housing

OPTIONAL FEATURES:

- Replace PMAC w/ PTI, Model 90323
- Replace PMAC w/ USB, Model 90386
- Bench mounted housing only, Model 90221

SPECIFICATIONS
Model 90222 PMAC 2000

Sampling rates.....
- Track .....4 Hz
- Peak .....5 kHz
- Scope functions.....selectable up to 10 kHz

Frequency response .....(-3 dB) at 1000 Hz
Accuracy .....max error = 0.05% of F.S.
Sensor interface.....
- Max input at F.S. .....+/- 4.5 mV/V
- Polarity .....Bipolar
- Bridge excitation .....7 V supplied
- Minimum bridge impedance 120

Data output .....RS-232 port ASCII, 9600 baud, 8-N-1
Power.....
- AC (adapter supplied)....115 V ac (220 optional)
- Batteries .....9.6 V internal/rechargeable

SPECIFICATIONS
Model 01190 (select any two)

1/4" drive..... 50 in-lbs.
1/4" drive..... 125 in-lbs.
3/8" drive..... 200 in-lbs.
3/8" drive..... 50 ft-lbs.
1/2" drive..... 125 ft-lbs.
1/2" drive..... 200 ft-lbs.
Overload capacity..... 150% of F.S.
Output at F.S..... 2.0 mV/V nominal
Non-linearity..... 0.10% of F.S.
Hysteresis..... 0.10% of F.S.
Zero balance..... 1.00% of F.S.
Useable temperature..... -65 to +250°F
Bridge resistance..... 1000 Ohms
Excitation voltage, maximum..... 20 V dc