



SERIES ST7000

STATIONARY TORQUE TRANSDUCERS

- Capacities from 100 lbf-in to 500 lbf-ft (11 to 678 Nm)
- 1/4 to 3/4 inch square drives
- Bi-directional
- Includes internal square drive adapter
- Keyed base for secure installation in tool shop or on test cart

TYPICAL APPLICATIONS

- Measure and Record Torque Load Characteristics of Electric, Pneumatic, or Mechanical Torque Tools
- Audit and Certify Transducerized Tool Calibration and Performance Capability
- Test Torque or Torque-Angle Power Tools or Hand Torque Wrenches

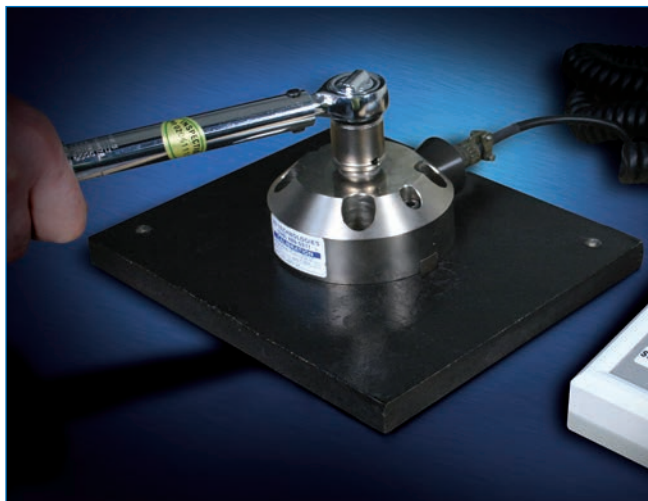
POWER AND HAND TOOL AUDIT, CALIBRATION, & CERTIFICATION

PCB's RS Technologies Series ST7000 Stationary Torque Transducers are ideal for auditing and certifying power tools and hand torque wrenches, when used with Model 922 Portable Digital Meter. Model 922 is a battery-operated, hand-held peakmeter with a single torque input. Together, Series ST7000 and Model 922 can measure peak torque and its special "click" wrench feature makes it easy to use for calibrating mechanical "click" type wrenches. It is a cost-effective, versatile, and easy to use data collector and can record up to 5000 rundowns. Its alphanumeric setup and calibration menus assure ease of operation.

With optional Rundown Adaptors, Series ST7000 Stationary Torque Transducers can verify the performance of pneumatic and electronic impact power tools.

STATIONARY TORQUE TRANSDUCER			
Model	Drive Size	Capacity	Outer Diameter x Height
077025-00012	¼ inch Square	100 lbf-in (11 Nm)	4.00 x 1.75 in (101.60 x 44.45 mm)
077037-00022	⅜ inch Square	200 lbf-in (23 Nm)	
077037-00051	⅜ inch Square	50 lbf-ft (68 Nm)	
077050-00101	½ inch Square	100 lbf-ft (136 Nm)	
077050-00201	½ inch Square	200 lbf-ft (271 Nm)	
077075-00501	¾ inch Square	500 lbf-ft (678 Nm)	4.00 x 2.13 in (101.60 x 54.10 mm)

OPTIONAL RUNDOWN ADAPTERS		
Model	Drive Size	Capacity Range
92300-063972	¼ inch Square	5 to 50 lbf-in (0.5 to 5.6 Nm)
92300-063973	¼ inch Square	10 to 100 lbf-in (1.1 to 11.3 Nm)
92300-063974	¼ inch Square	25 to 250 lbf-in (2.8 to 28.2 Nm)
92300-063977	⅜ inch Square	75 to 750 lbf-in (8.5 to 84.7 Nm)
92300-063978	⅜ inch Square	5 to 50 lbf-ft (6.8 to 67.8 Nm)
92300-063981	½ inch Square	10 to 100 lbf-ft (13.6 to 135.6 Nm)
92300-063982	½ inch Square	25 to 250 lbf-ft (33.9 to 339.0 Nm)



SPECIFICATIONS	
Output	2 mV/V Nominal
Shunt Calibration	Matched 2 mV/V with 43.575 kΩ Precision Resistor
Overload Capacity	150% of FS
Non-linearity	≤0.25% FS
Hysteresis	≤0.25% FS
Zero Balance	≤2.00% FS
Interchangeability	≤0.30% FS
Excitation, Recommended	10 VDC or AC rms
Bridge Resistance	350 Ω
Compensated Temperature Range	+70 to +150 °F (+21 to +66 °C)
Operating Temperature Range	0 to +200 °F (-18 to +93 °C)
Temperature Effect on Zero	±0.01% FS / °F (±0.018% FS / °C)
Temperature Effect on Output	±0.01% Reading / °F (±0.018% Reading / °C)
Connector	PT02H-8-4P
Supplied Accessories	
Square Drive Adapter, Shunt Calibration Resistor, A2LA Accredited Calibration Certificate	
Recommended Accessories	
4242R-000600	PT06A-8-4S(SR) Connector
097000-0015P	DB15P Connector w/ Strain Relief & Thumbscrews
080922-01000	Model 922 Portable Digital Meter
097000-34149	Cable Assembly, 2-ft Coiled (9-ft Straight), DB-15P to PT06-8-4S
099404-34011	Cable Assembly, Non-Auto-ID, 3-ft straight, DB-15P to PT06A-8-4S
099404-30610	Cable Assembly, Non-Auto-ID, 10-ft straight, DB-15P to PT06A-8-4S
090970-31583	Cable Assembly, 6-ft straight, PT06A-8-4S to Pigtail Leads