



MODEL 922

## PORTABLE DIGITAL METER

- Simultaneous display of input and peak data
- Collects up to 5000 readings
- Compatible with most DC excited strain gage bridge transducers
- Selectable measurement units, filter, sample size and limits
- High, low, mean, standard deviation,  $\pm 3$  sigma, Cpk & Cp statistics
- PC application for uploading of settings and downloading of data
- Compatible with Auto-ID sensors

### TYPICAL APPLICATIONS

- Calibrate Hand Torque Wrenches Including "Click" Type Wrenches
- Setup and Test Assembly Tools
- Verify Power Tool Performance
- Perform Post-Assembly Torque Audits On Threaded Fasteners
- Troubleshoot & Analyze Bolted Joints
- Measure Fastener Clamp Load
- Monitor Press Force

### MEASURE, MONITOR, TROUBLESHOOT

The RS Technologies Model 922 Portable Digital Meter can be used with Rotary Torque Transducers, Force Washers, Hand Torque Wrenches, Stationary Torque Transducers and Load Cells

This meter fits comfortably in your hand, and is powerful and accurate enough to be used as a primary standard for auditing most torque applications in manufacturing and quality departments. When connected to a Rotary Torque-Angle Transducer, the unit can be used to test the capability of power tools, verify the accuracy of hand tools, monitor the capability of a fastening process, or audit the quality of an assembled joint. It can also be easily set up for use with force washers and load cells to measure fastener assembly preload, press force, and numerous other applications.

Model 922 can monitor and record data quickly, easily, and accurately. The alphanumeric display is easy to read and prompts you through setup and operation as needed. The unit displays input and peak torque or force simultaneously and measures in either the clockwise or counterclockwise (compression or tension) direction. It is also able to read the Auto-ID chip in RS Technologies' transducers to simplify setup.

The built-in serial port allows for printing data and statistics right from the unit. The recorded data can also be uploaded to a personal computer for further analysis using the FastPK Software.

SPECIFICATIONS	
<b>Model Number</b>	
Full Model Number	080922-01000
Short Model Number	922
<b>Performance</b>	
A/D Resolution	21-bit
Accuracy	0.25% FS
Angle Input	Quadrature, AB Track
Angle Resolution	Transducer Counts/Rev Dependant
Bridge Excitation	5 VDC
Calibration	Shunt Cal Via External Binding Posts
Communications Port	USB B Type for Upload to Computer via FastPK
CW/CCW Operation	Software Selectable
Data Memory	Automatic Storage of 5000 Peak Torque-Angle or Force Readings, Scrolling Feature for Viewing Readings, Last Reading Deletable
Dimensions (L x W x H)	9.0 x 5.4 x 3.2 in (229 x 137 x 81 mm)
Display	LCD, 20 Alphanumeric Characters by 4 Lines with 5-digit Readout Plus 6-digits for Angle
Enclosure	Molded ABS Plastic
Engineering Units	Software Selectable (lbf-ft, lbf-in, ozf-in, N-m, kg-cm, kg-m, lb, and N)
Frequency Response	10 kHz with programmable filter from 32 to 4000 Hz
Humidity	5 to 95% N.C.
Input Power	Lithium Ion Battery, AC Battery Charger 24 VDC (Low Battery Charge Warning)
Input Signal	Compatible with Conventional Strain Gage Based Transducers with Outputs of $\pm 2.5$ mV/V, $\pm 4.5$ mV/V, and $\pm 5$ VDC High Level Devices
Keypad	16-key Numeric and Special Function
Maximum Angle Count	10k Degrees
Operating Temperature Range	0 to +70 °C (+32 to +158 °F)
Multiple Limits Sets	Up to 32
Recommended Recalibration	Yearly
Statistics	High, Low, Mean, Standard Deviation, $\pm 3$ Sigma, Cpk, and Cp; Calculations Based on Software Selectable Sample Size or Entire Population
Weight	1.75 lb (0.8 kg)
Battery Life	8 hours maximum
Battery Charge	3.5 hours maximum
<b>Supplied Accessories</b>	
Battery Charger, Fast PK Software, Instruction Manual, Calibration Certificate	

OPTIONAL ACCESSORIES	
Model	Description
097000-34149	Non-Auto-ID Hand Torque Only Wrench, Non-Auto-ID Rotary Torque Transducer or Stationary Torque Transducer Cable Assembly, DB-15P to PT06A-8-4S, 2-ft coiled (9-ft straight)
097000-34445	Hand Torque-Angle Wrench, Hand Torque Only Wrench w/ LEDs & Rotary Torque/Torque-Angle Transducer Cable Transducer w/ Auto-ID, DB-15P to PT06A-12-10S, 2-ft coiled (9-ft straight)
097000-00016	Hand Torque-Angle Wrench, Hand Torque Only Wrench w/ LEDs & Rotary Torque/Torque-Angle Transducer Cable Transducer w/ Auto-ID, DB-15P to PT06A-12-10S, 16-ft straight
099404-30563	Non-Auto-ID, Hand Torque-Angle Wrench & Rotary Torque-Angle Transducer Cable Assembly, DB-15P to PT06A-12-10S, 10-ft straight
099404-34011	4-pin Tension Load Cell (2.5mV/V), Non-Auto-ID Hand Torque Only Wrench, Non-Auto-ID Rotary Torque Transducer or Stationary Torque Transducer Cable Assembly, DB-15P to PT06A-8-4S, 3-ft straight
099404-30610	4-pin Tension Load Cell (2.5mV/V), Non-Auto-ID Hand Torque Only Wrench, Non-Auto-ID Rotary Torque Transducer or Stationary Torque Transducer Cable Assembly, DB-15P to PT06A-8-4S, 10-ft straight
8311-RS-10A	6-pin PCB Load Cell Cable Assembly, DB-15P to PT06A-10-6S, 10-ft straight

