SERIES HTA7000

HAND TORQUE-ANGLE WRENCHES

- Durable, ergonomic design
- Lightweight, high strength
- Excellent overall accuracy
- High resolution angle measurement
- Compatible with most strain gage instruments and data collectors
- Wide range of torque capabilities
- Comfortable foam handle

TYPICAL APPLICATIONS

- Post-assembly Torque Auditing
- Torque-Angle Signature Analysis
- Bolted Joint Troubleshooting

TROUBLESHOOTING AND AUDITS

The RS Technologies product line Series HT7000 Hand Torque-Angle Wrenches are rugged and lightweight, yet durable enough to be used in the toughest industrial environments, and the narrowed head is ideal for access when space is at a premium. With high-resolution angle measurement, these wrenches are ideal for troubleshooting bolted joints and torque-angle audits using Torque Angle Signature Analysis techniques as well as employing the M-Alpha Audit Method patented by RS Technologies. Equipped with an ID chip, setup and calibration is quick and easy when used with RS Technologies instruments, such as the Model 962 Portable Data Recorder and the Model 920 Portable Digital Transducer Instrument.

Calibration services for this and other torque and force products are available at PCB Piezotronics’ A2LA Accredited Calibration Laboratory in Farmington Hills, Michigan.

As with all PCB® instrumentation, these products are complemented with toll-free applications assistance, 24-hour service, and are backed by a no-risk policy that guarantees total customer satisfaction or your money refunded.
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<th>HAND TORQUE WRENCHES WITH LEDS</th>
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**SPECIFICATIONS**

- **Output at Rated Capacity**: 2 mV/V ≤0.25% FS
- **Shunt Calibration**: 2 mV/V with 43.575 kΩ Precision Resistor
- **Interchangeability**: Matched for mV/V and Shunt Calibration ≤0.3% FS
- **Overload Capacity**: 150% FS
- **Non-linearity**: ≤0.25% FS
- **Hysteresis**: ≤0.25% FS
- **Excitation Voltage**: 10 VDC Maximum
- **Bridge Resistance**: 350 Ω
- **Operating Temperature Range**: +70 to +150 °F
  - +21 to +66 °C
- **Useable 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**: ±0.001% Reading/F
  - ±0.0018% Reading/C
- **Connector**: PT02H-12-10P

**Supplied Accessories**

- Shunt Calibration Resistor, & A2LA Accredited Calibration Certificate

**Recommended Accessories**

- 080920-01000 Model 920 Portable Digital Transducer Instrument
- 080962-01000 Model 962 Portable Data Recorder
- 097000-34445 Cable Assembly, 10' Coiled, PT to DB15 Male
- 4242R-000630 PT06A-12-105 (SR) Mating Connector, Standard

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