# Portable Peak Meter


## Highlights

- Accommodates most transducers with output ranging from 0.8 to 5.0 mV/V
- Compatible with most strain gage torque transducers & load cells
- Stores and recalls up to five readings
- Data can be used to create statistical process control charts
- Calibrates using external shunt calibration resistor
- Reverse switch allows the measurement of torque in counter-clockwise direction
- Three selectable decimal point positions
- Analog output receptacle

## Applications

- Monitoring Dynamic or Static Torque Applied to Threaded Fasteners
- Monitoring Compression or Tension Force

PCB Load & Torque Division's RS Technologies Model 910 Portable Peak Meter is a versatile, battery-powered, single channel meter designed to monitor and store peak readings from toque or force transducers. The meter has five peak memories to store and recall the peak or maximum torque or force on five cycles. The track mode is used when peak hold is not needed, such as during calibration or when it is desirable to view the transducer output continuously. The span adjustment allows the peak or track readings to be in direct engineering units. The unit offers manual zero adjustment. The unit includes a nickel-cadmium rechargeable battery that offers eight hours of continuous operation before requiring a charge. Model 910 can accommodate most transducers with output ranging from 0.8 to 5.0 mV/V. The unit features external shunt calibration resistor to calibrate, and a switch which allows the measurement of torque in a counter-clockwise direction.

Model 910 is specifically designed to operate with PCB Load & Torque Division strain gage load cells, since it can read force in numerous engineering units. For example, Model 910 Portable Peak Meter can be used with a PCB® Pedal Force Load Cell for vehicle braking tests.

When used with PCB® Stationary Torque Transducers, Model 910 Portable Peak Meter displays applied hand torque.

RS Technologies provides calibration services for this and their other torque and force products at its A2LA Accredited Calibration Laboratory in Farmington Hills, Michigan.

As with all PCB® instrumentation, these products are complemented with toll-free applications assistance, 24-hour technical service, and are backed by a no-risk policy that guarantees total customer satisfaction or your money refunded.

| Model 910 | |
|---|---|
| Instrument Accuracy | ±0.5% FS |
| Non-linearity | ±0.5 % FS |
| Temperature Range | 0 to +60°C<br>-18 to +16°F |
| Battery | 8 Hour Life |
| Recharger | 120 VAC, 14 Hours for Complete Recharge |
| Input Sensitivity | 350 to 1000 Ohm, Full Bridge |
| Input Signal | 0.8 to 5.0 mV/V |
| Display | 0.6-in High LED, 3 ½-digits, 1999 Maximum Display |
| Operating Modes | Peak, Track |
| Bridge Excitation | 10 VDC |
| Frequency Response | DC to 3200 Hz |
| Peak Memory Drift | Less than 1.0% FS in 15 Minutes |
| Calibration | Binding Posts for External Resistor |
| Output Jack | ±2.0 VDC |
| Size (H x W x D) | 9.5 x 4.2 x 2.8 in<br>241 x 107 x 71 mm |
| Weight | 1.4 lb<br>635 gm |
| **Supplied Accessories** | |
| Shoulder Strap, Battery Charger, Instruction Manual, & A2LA Accredited Calibration Certificate | |

**PCB's Line of Fastener Test Products** (formerly the RS Technologies product line) includes test systems and threaded fastener torque/angle/tension systems ideal for use in the Automotive, Aerospace & Defense, Power Generation industries, and for product assembly by manufacturers or processors of threaded fasteners or other companies that use threaded fasteners to assemble their products. For more information, please visit **www.pcb.com**



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