

### TRC Digital Torque Tool Checker

**Fast, accurate and convenient calibration of torque wrenches, torque drivers, and the Series TRC Digital Torque checker is a user friendly instrument for calibrating or measuring torque values.** The single button operation does it all-Zero, Test, Store & Repeat. In addition to Average, Maximum, Minimum, and Peak values, the TRC features Red/Green/Red LED's (HI-GO-LO) combined with an audible alarm that enables quick, large batch testing. The TRC's expansive 3,000 data point storage capacity makes large batch testing possible. The Series TRC is USB ready for easy PC software interfacing with the included cable. Combined with the free DigiTorq software, statistical analysis of the data can be performed and conveniently graphed on Microsoft® Excel. The TRC is a portable device powered with internal, rechargeable batteries or with the included AC adapter/charger. The TRC's small foot print saves valuable lab space. It's low profile, (3.82") rugged design, and included factory certificate promotes proper calibration procedures, ensuring overall test and product quality.



#### Features

- Precise  $\pm 0.5\%$  F.S.  $\pm 1$  digit accuracy ensures exact results
- Variety of applications met with ranges from 17.7 in·lb (2 N·m) all the way to 88.5 in·lb (10 N·m)
- Memory function allows convenient storage of up to 3000 readings for later retrieval
- Large, easy to read LCD displays torque values in four selectable engineering units
- Durable, cast-aluminum heavy-duty construction withstands demanding wear and tear
- PC connectivity with USB interface and free DigiTorq software enables data analysis and graphing on Microsoft® Excel
- Truly portable with compact, light-weight design and internal, rechargeable batteries
- Recharge batteries with included 120/240V AC adapter/charger or utilize adapter for continuous use
- Change measuring modes to capture Average, Maximum or Minimum values in both clockwise (CW) & counterclockwise (CCW) directions
- Speed up large batch tests with the integral Red/Green LED comparator that responds in accordance to pre-programmed tolerances
- Includes Factory Certificate, CE Approval and 2 Year Warranty!



TRC Checking  
Torque Tool

## TRC Series Specifications

<b>Measuring Range</b>	TRC-2: 0.020 - 2.000 Nm, 2.0 - 200.0 Ncm, 0-20.39 kgcm, 0-17.70 lb-in
	TRC-5: 0.050 - 5.000 Nm, 5.0 - 500.0 Ncm, 0-50.99 kgcm, 0-44.25 lb-in
	TRC-10: 0.10 - 10.00 Nm, 10 - 1000 Ncm, 0-102.0 kgcm, 0-88.5 lb-in
<b>Test Sample Diameter Range</b>	1/4" Hexagonal torque driver adapter
<b>Accuracy</b>	±0.5% / F.S.
<b>Display</b>	Main display: 4-digit LCD display, Character height 0.5" (12 mm); Sub display: 3-digit, 0.29" (7 mm)
<b>Comparator Display</b>	LED indicates "NG", "OK", with adjustable alarm
<b>Display Update Time</b>	Select from 0.125 sec (8 times/sec), 0.25 sec (4 times/sec), 0.5 sec (2 times/sec), 1 sec (1 time/sec)
<b>Measuring Mode</b>	MEAN: displays torque value in real time; PEAK: displays peak torque value
<b>Overload</b>	120% of full scale
<b>Sampling</b>	100 Hz
<b>Memory</b>	Total 3,000 data (10 sets with 300 data point per set)
<b>Data Output</b>	USB1.1 (data download by special software)
<b>Power</b>	NiMH rechargeable battery, and AC adapter 100-240vac, 50/60 Hz
<b>Operating Environment</b>	32 -104°F (0 - 40°C) 35 - 85%RH (non condensing)
<b>Dimensions</b>	12.60" x 8.66" x 3.82" (320 x 220 x 97 mm)
<b>Product Weight</b>	Approx. 13.25 lb (6.0 kg)
<b>Package Weight</b>	Approx. 16.2 lb (7.35 kg)
<b>Software</b>	DigiTorque TRC Free Download from <a href="http://www.shimpointst.com">www.shimpointst.com</a>
<b>Included Accessories</b>	Torque adapter for driver, AC adapter/charger, USB cable, Mounting bracket, bolts for mounting bracket (2 pcs)
<b>Certifications</b>	CE
<b>Warranty</b>	2 year

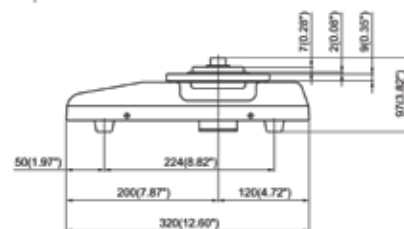
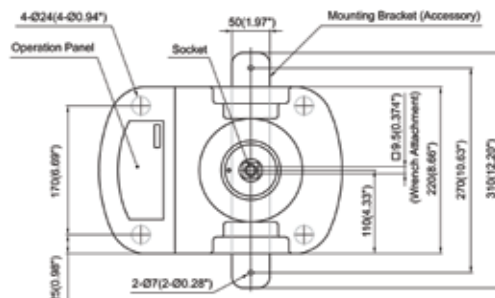
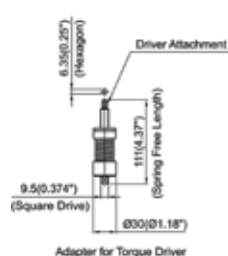
## Ordering Details

<b>TRC-2</b>	Range of 0-17.70 in-lb (20.39 kg-cm, 200.0 N-cm, 2.000 N-m)
<b>TRC-5</b>	Range of 0-44.25 in-lb (50.99 kg-cm, 500.0 N-cm, 5.000 N-m)
<b>TRC-10</b>	Range of 0-88.5 in-lb (102.0 kg-cm, 1000 N-cm, 10.00 N-m)
<b>NIST-TORQUE</b>	NIST traceable certificate of calibration with data

## Accessories

<b>FG-09V120UC</b>	Universal charger adapter for 120/240 VAC
--------------------	-------------------------------------------

## TRC Series Dimensions



DISTRIBUTED BY:

A **Nidec** Group Company

**SHIMPO** —All for dreams

**NIDEC-SHIMPO AMERICA CORPORATION** • Phone: (800) 237-7079 • Fax: (630) 924-0342 • [www.shimpointst.com](http://www.shimpointst.com)