SHIMPO INSTRUMENTS

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 ± 0.5% F.S. ± 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

A *Nidec* Group Company

SHIMPO –All for dreams

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TRC Series Specifications

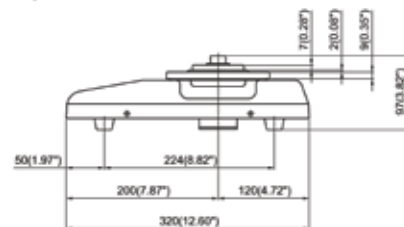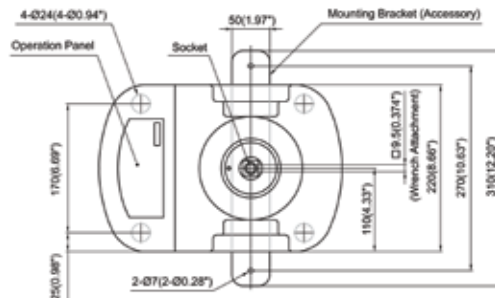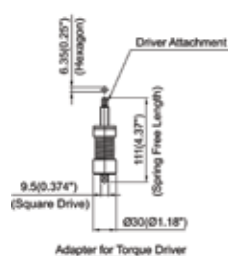|	
Measuring Range	TRC-2: 0.020 - 2.000 Nm, 2.0 - 200.0 Ncm, 0-20.39 kgcm, 0-17.70 lb·in
	TRC-5: 0.050 - 5.000 Nm, 5.0 - 500.0 Ncm, 0-50.99 kgcm, 0-44.25 lb·in
	TRC-10: 0.10 - 10.00 Nm, 10 - 1000 Ncm, 0-102.0 kgcm, 0-88.5 lb·in
Test Sample Diameter Range	1/4" Hexagonal torque driver adapter
Accuracy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

Ordering Details

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

Accessories

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

TRC Series Dimensions

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