



DRTQ TOUCH-SCREEN TORQUE TESTER



Specifications

Models (max torque)	10 in.lb, 25 in.lb, 100 in.lb, 250 in.lb, 100 ft.lb
Accuracy	$\pm 0.5\%$ of reading (20-100% full scale) $\pm 1\%$ or ± 1 digit (10% to $<20\%$ full scale)
Maximum Overload	150% of full scale (‘Overload’ displays at 110% +)
Battery	3.7V Li-ion, 4400mAh 4 hrs continuous run, 12 hrs standby
AC Adapter / Charger	Input: 100-240 VAC, 50/60 Hz Output: 5 VDC, center positive
Dimensions (L x W x H)	229 x 102 x 80 mm 9 x 4 x 3.13 in
Weight	2.7 kg / 6 lbs
Included with each tester	AC Adapter, Carrying Case, Calibration Cert, Manual, Rundown Joint ⁽¹⁾

Features

- Full color LCD touch screen
- Processes statistical calculations: CP, CPK, Sigma
- On screen statistics: Torque calculator and graphing for performance analysis
- Export data directly to an SD card
- Automatic screen rotation (level sensor flips screen between vertical and horizontal mode)
- ‘Quick Run’ mode provides the ability to quickly audit and verify a tool
- ‘Measure mode’ allows users to establish acceptable tolerances - eight configurable torque test profiles available
- Eight available measurement units: in.oz, in.lb, ft.lb, Nm, cNm, kgF.cm, gF.cm, kgF.m
- Li-ion technology provides extended battery life
- Battery saving features: Sleep Mode, Back Light Timer, Automatic Shutdown
- Up to 4 hours of continuous use - 12 hours standby
- Peak mode: For use with manual, electric, pneumatic, and cordless torque controlled tools (not for use with impact tools)
- Track Mode: For use with dial or electronic torque wrenches
- Advanced user programmable options: Auto Clear, Date/Time, Peak Time, Screen Brightness
- 2 year warranty
- Made in North America



Each DRTQ Torque Tester includes:
protective carrying case, user manual,
calibration certificate, AC adapter, and
rundown joint**
(**joint not included with DRTQ-100-f)

DRTQ TOUCH-SCREEN TORQUE TESTER



Edit Profile

Profile	PROFILE 1
Units	In Lb
Target torque	7.50
Variance	10 %
Peak threshold	2.00
Test direction	CW
Filter	300

Back # 1 Set

Configure up to 8 unique profiles to accommodate different test strategies.

Quick Run

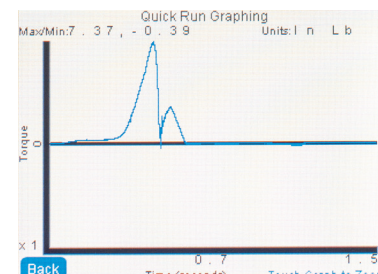
3.05

In Lb

Peak

Main Menu Clear Graph

Use Quick Run mode to perform a single run torque test and view a graph of the results.



Resulting graph displays torque vs. time. Tap an area of the graph to zoom up to 4 times the size.

Measure Mode

Sample Number: 1

7.52

High: 8.25 Units: In Lb

Low: 6.75 Mode: Peak

Direction: CW

Main Menu Clear

Use Measure Mode to evaluate a series of torque readings based on the profile parameter settings.

Statistics

Job: ---

Measurement direction: CW

Maximum Torque Limit: 8.25 In Lb

Minimum Torque Limit: 6.75 In Lb

Threshold Torque Limit: 2.00 In Lb

Peak Time: 0.500 Seconds

Maximum recorded: 7.60 In Lb

Minimum recorded: 7.05 In Lb

Sigma: 0.141

Cp: 1.772

Cpk: 1.474

Back Main Menu

Statistics are calculated based on profile settings and evaluation of the sample group readings.

Measurement Export

(1) 7.20

(2) 7.50

(3) 7.37

(4) 7.40

(5) 7.38

(6) 7.47

(7) 7.60

(8) 7.40

(9) 7.33

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Sample group torque readings & statistics can be saved with a file name to an SD card for export.

DRTQ Torque Tester Models			
Model Number	Torque Range		Input Drive (female)
DRTQ-160-z	16.00 - 160.00 in.oz	(0.11 - 1.13 Nm)	1/4" square drive
DRTQ-10-i	1.00 - 10.00 in.lb	(0.11 - 1.13 Nm)	1/4" square drive
DRTQ-25-i	2.50 - 25.00 in.lb	(0.28 - 2.82 Nm)	1/4" square drive
DRTQ-100-i	10.00 - 100.00 in.lb	(1.13 - 11.30 Nm)	1/4" square drive
DRTQ-250-i	25.00 - 250.00 in.lb	(2.82 - 28.25 Nm)	3/8" square drive
DRTQ-100-f ⁽¹⁾	10.00 - 100.00 ft.lb	(13.56 - 135.58 Nm)	1/2" square drive

⁽¹⁾ Rundown joint is not included with DRTQ-100-f, sold separately

Each DRTQ Torque Tester is dead-weight calibrated with certified mass standards and arms to verify conformance to the stated accuracy of $\pm 0.5\%$ of indicated value (from 20-100% of full scale). A calibration certificate is included with each tester.

DRTQ Accessories	
Part Number	Description
DRTQ-MOUNT	Reaction collar for bench mounting
DRTQ-RDA-1/4	1/4" sq.dr. joint simulator (70 in.lb / 8 Nm max)
DRTQ-RDA-3/8	3/8" sq.dr. joint simulator (250 in.lb / 28 Nm max)
DRTQ-RDA-1/2	1/2" sq.dr. joint simulator (60 ft.lb / 80 Nm max)
DRTQ-ELEC3045	AC Adapter, 100-240VAC input / 5VDC output

