



KEY FEATURES

Accuracy ± 0.5% of reading from 20% to 100%.
Accuracy ± 1% of reading from 10% to 20%.

Recommended for most hand screwdrivers, wrenches, or power tools.

Features a built-in transducer and can connect to an external transducer.

Can store calibration data for up to 9 external transducers.

Four-digit display.

RS-232 interface to download readings in "real time".

Includes a PC Windows based software program: **Data Acquisition** for collecting and analyzing data with Microsoft Excel®.

Selection of three operating modes: Track, Peak, First Peak.

Seven units of torque measurement available: lbf.ft, lbf.in, ozf.in, N.m, cN.m, kgf.m, kgf.cm.

Manual and auto reset functions to clear displayed values.

Selectable filters to eliminate unwanted "noise": 500Hz, 1500Hz, 2000Hz, 3600Hz.

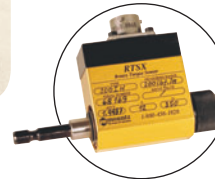
Features a Buzzer and Go / No Go LEDs that illuminate when high or low setting is achieved.

Dimensions: (L x W x H) 10 3/4" x 8 1/3" x 2 2/3"
4 mounting holes 3/8-16 x 0.70 DP

TorqueLab®

Torque Analyzer

Model	Item #		Torque Ranges			Drive Size in.	Weight
	110V	220V	American	S.I.	Metric		
TL10i	068070	068087	1 - 10 lbf.in	11.3 - 113 cN.m	1.2 - 11.5 kgf.cm	1/4 Female/Square	8 lbs.
TL25i	068071	068086	2.5 - 25 lbf.in	28.2 - 282.5 cN.m	2.9 - 28.8 kgf.cm	1/4 Female/Square	8 lbs.
TL50i	068072	068078	5 - 50 lbf.in	56.5 - 565 cN.m	5.8 - 57.6 kgf.cm	1/4 Female/Square	8 lbs.
TL100i	068073	068079	10 - 100 lbf.in	113 - 1130 cN.m	11.5 - 115 kgf.cm	1/4 Female/Square	8 lbs.
TL250i	068074	068083	25 - 250 lbf.in	282.5 - 2825 cN.m	28.8 - 288 kgf.cm	1/4 Female/Square	8 lbs.
TL50F	068075	068084	5 - 50 lbf.ft	6.8 - 67.8 N.m	0.7 - 6.9 kgf.m	3/8 Female/Square	8 lbs.
TL100F	068076	068085	10 - 100 lbf.ft	13.6 - 135.6 N.m	1.4 - 13.8 kgf.m	1/2 Female/Square	8 lbs.
TL250F	068077	068088	25 - 250 lbf.ft	33.9 - 339 N.m	3.5 - 34.5 kgf.m	1/2 Female/Square	8 lbs.



EXTERNAL TRANSDUCERS

The TorqueLab® features a built-in transducer and can connect to an external transducer.

SEE PAGES 01.10 - 01.16



CALIBRATION TEST EQUIPMENT

SEE PAGE 01.18



CALIBRATION HEX STEP ADAPTER

Allows multiple size wrenches to be used with one adapter.

SEE PAGE 01.20

CABLE CHART

Transducer	Cable Item #
RTSX	065138
RTSX-A	Not Compatible
BLRTSX	065158
BMX	065145-XD5
LPX	065175
SDX	062507
ETX	065187
SMX	Not Needed

ACCESSORIES

Description	Item #
220V Charger	771146
110V Charger	771011
Battery Pack	708001
RS-232 Cable	065150
D-Sub Connector	608049
Printer	068093
Printer Cable	068092
Printer Paper	068091
Printer Ribbon	068090
Run Down Adapter (page 01.20)	See RDA



NOTE!

Since a tester cannot always duplicate actual joint characteristic, the torque reading displayed on the TorqueLab® may vary from the actual torque that a tool will apply to a joint. A run down adapter that simulates a variety of different joint characteristics is provided with the TL-Series. When critical assemblies are involved, the torque output of the power tool being used should be verified on the actual assembly using a calibrated measuring torque tool.

Standard accessories include:

- Run Down Adapter
- AC/DC Transformer
- RS-232 Cable
- D-Sub Connector
- Mountz Data Acquisition Software Case



CERTIFIED

Supplied with NIST-Traceable Certification of Calibration

