



RoHS

CE

# TorqueLab® LTT Series

Torque, Angle & Force Analyzer  
with ARCII Technology

## KEY FEATURES

- Accuracy ± 0.5% of reading from 20% to 100% of full scale.  
Accuracy ± 1% of reading from 10% to 20% of full scale.
- Recommended for all hand screwdrivers, wrenches, or power tools.
- Features a built-in transducer and can connect to an external torque sensor.
- Provides "EZ-Plug & Play" with Mountz torque sensors. Features "ARCII" technology, an instant auto-recognition system of the sensors connected to the LTT.
- Selection of six operation modes:  
Track, Peak, First Peak, Audit, Spindle Audit, and Torque + Angle
- Seven units of torque measurements:  
ozf.in, lbf.in, lbf.ft, cN.m, N.m, kgf.m, kgf.cm
- Two units of force measurement: lbf and kN
- Features built-in Tool Tests operation.
- Three PC Windows based software programs:  
  - Mountz Torque Meter Interface Program**  
for sensor calibrations, meter calibration and tool tests.
  - Torque Meter Bootloader**  
for updating the LTT operating systems.
  - Excel Add-In**  
for Real-Time data collection into an Excel spreadsheet.  
It provides statistics calculations.

"Flash" memory allows upgrades to be done by the user in the field & internet through the USB port.

Five low-pass filters: 3000, 2000, 1500, 500, and 200Hz

Six-digit display and easy to read menu structure.

Real Time Clock for time stamping of readings.

USB interface to download readings to PC.

High Capacity Li-ion Batteries for long life (30 hours with standard torque sensors and 16 hours with brushless rotary sensors).

Can connect to most mv/v sensors and can store calibration data for up to 50 non-smart torque sensors.

The 5VDC capability allows unit to be used with a brushless rotary torque sensor for testing pulse tools and high RPM tools.

Torque and Angle data is displayed simultaneously when used with torque and angle sensors, up to 8000 RPM for angle measurement.

Stores a total of 5000 data points.

Real time graph of torque vs. time using associated PC Windows software.

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

Model	Item #	Torque Ranges			Drive Size	Wt.
		American	S.I.	Metric		
LTT10i	068400	1 - 10 lbf.in	11.3 - 113 cN.m	1.2 - 11.5 kgf.cm	1/4" F/Sq	8 lbs.
LTT25i	068401	2.5 - 25 lbf.in	28.25 - 282.5 cN.m	2.9 - 28.8 kgf.cm	1/4" F/Sq	8 lbs.
LTT50i	068402	5 - 50 lbf.in	56.5 - 565 cN.m	5.8 - 57.6 kgf.cm	1/4" F/Sq	8 lbs.
LTT100i	068403	10 - 100 lbf.in	113 - 1130 cN.m	11.5 - 115 kgf.cm	1/4" F/Sq	8 lbs.
LTT250i	068404	25 - 250 lbf.in	282.5 - 2825 cN.m	28.8 - 288 kgf.cm	1/4" F/Sq	8 lbs.
LTT50F	068405	5 - 50 lbf.ft	6.8 - 67.8 N.m	0.7 - 6.9 kgf.m	3/8" F/Sq	8 lbs.
LTT100F	068406	10 - 100 lbf.ft	13.56 - 135.6 N.m	1.4 - 13.8 kgf.m	1/2" F/Sq	8 lbs.
LTT250F	068407	25 - 250 lbf.ft	33.9 - 339 N.m	3.5 - 34.5 kgf.m	1/2" F/Sq	8 lbs.

### ACCESSORIES INCLUDED

Description	Item #
Universal Charger (100-240VAC)	770300
USB Cable	770319
Run Down Adapter	See Pg. 01.16
Mountz Software Programs	-
Case	072605-2
Battery Pack	072506

### ACCESSORIES OPTIONAL

Description	Item #
Multiplexer	072998
Bar Code Reader	072997
Mounting Bracket (for LTT model 10i-50F)	072608
Mounting Bracket (for all LTT models)	072606

### CABLE CHART

Torque Sensor	Item #
RTSX-A	072000
All BLRTSX models	072001
BMX	072002
MTX	072003
SDX	072004
RTSX	072005
ETX	072006



Supplied with Free ISO 17025 Certification of Calibration.



Since a tester cannot always duplicate actual joint characteristics, the torque reading displayed on the LTT may vary from the actual torque that a tool will apply to a joint. 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.