

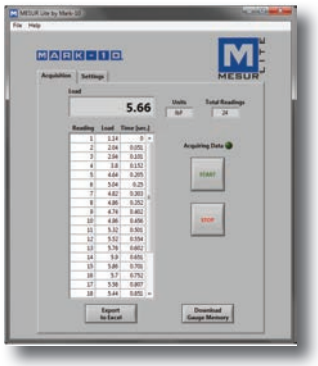
Series TT02 is shown in a typical manual torque screwdriver test

Series TT02 Torque Tool Testers present a simple and accurate solution for testing manual, electric, and pneumatic torque screwdrivers, wrenches, and other tools. These testers are compact and rugged, suitable for production environments. A universal 3/8" square receptacle accepts common bits and attachments. The TT02 captures peak torque in both measurement directions, and also calculates 1st and 2nd peaks, useful for click-type tools.

A blazingly fast sampling rate of 7,000 Hz and accuracy of ±0.3% produce reliable and consistent test results. The TT02 includes a range of sophisticated productivity-enhancing features, including USB, RS-232, Mitutoyo, and analog outputs, automatic data output/zeroing/data storage upon tool slip or click, memory storage for 1,000 readings, pass/fail indicators and outputs, and more. Password protection is provided to prevent unauthorized changes to settings and calibration.

Series TT02 testers include MESUR® Lite data acquisition software. MESUR® Lite tabulates continuous or single point data. Data stored in the TT02's memory can also be downloaded in bulk. One-click export to Excel allows for further data manipulation.

Note: Not compatible with impact tools.



MESUR Lite data acquisition software is included with Series TT02 testers

Features

- **First / second peak capture for CW and CCW directions**
- **3/8" square receptacle accommodates common bits and attachments**
- **High-speed 7,000 Hz sampling rate accurately captures peak torque values**
- **1,000-point data memory with statistics and outputs**
- **USB, RS-232, Mitutoyo, and analog outputs**
- **Break detection: automatic output, data storage, and zeroing upon tool click/slip automates testing processes**
- **Programmable set point indicators and outputs for pass/fail determination**
- **Password protection prevents unauthorized changes**
- **5 selectable units of measurement**
- **MESUR® Lite data collection software included**

Controls & Indicators



Optional Items



AC1066-1 & AC1066-2 Rundown fixtures

Provide accurate and consistent torque measurements for electric and pneumatic tools. Select AC1066-1 to simulate a soft joint with gradual torque buildup or AC1066-2 to simulate a hard joint with faster torque buildup. Integrated 3/8" square drive.





ST001 Bench mounting kit

Mounts the TT02 securely to a bench for horizontal orientation.



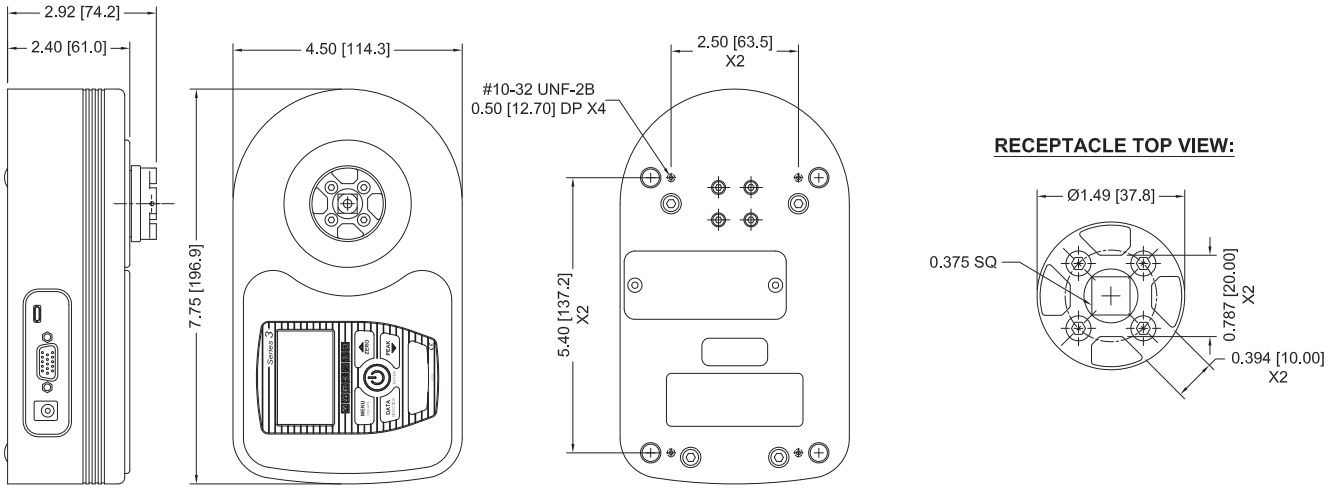
ST002 Carrying case

Provides storage space for the TT02 tester, rundown fixtures, bench mounting kit, AC adapter, and accessories.

Specifications

Accuracy:	Of reading: ±0.5% of indicated reading, from 10% to 100% of full scale Of full scale: ±0.3% of full scale
Sampling Rate:	7,000 Hz
Power:	AC adapter: 100-240VAC, 50-60 Hz, 0.3 A Battery: Rechargeable 8.4V NiMH Low battery indicator appears when battery level is low, and gauge powers off automatically when power reaches critical stage.
Battery life:	**Backlight on:** up to 7 hours of continuous use **Backlight off:** up to 24 hours of continuous use
Units:	ozFin, lbFin, kgFcm, Nm, Ncm
Outputs:	**USB / RS-232:** Configurable up to 115,200 baud. **Mitutoyo:** Serial BCD suitable for all Mitutoyo SPC-compatible devices. **Analog:** ±1 VDC, ±0.25% of full scale at capacity. **General purpose:** Three open drain outputs, one input. **Set points:** Three open drain lines, 40 VDC max., 100 mA DC max.
Configurable settings:	1st/2nd peak, digital filters, outputs, automatic shutoff, default settings, key tones, backlight, audio alarms, passwords, calibration
Safe overload:	150% of full scale (display shows "OVER" at 110% and above)
Weight:	5.8 lb [2.6 kg]
Environmental requirements:	40 - 100°F, max. 96% humidity, non-condensating
Warranty:	3 years (see individual statement for further details)

Dimensions in [mm]



In The Box

Series TT02 torque testers are shipped as shown at right, and include the following accessories:

(1) 1/4" hex to 3/8" square adapter

(1) USB cable

(1) AC adapter

(1) Battery

(1) Certificate of calibration without data (data is optional)



Alternative AC Adapter Prongs



AC1120 AC1121 AC1122

All instruments include a 110V AC adapter with US prong style.
Select an alternative prong adapter (if required) from the table below.

Model No.	Description
AC1120	Prong for AC adapter, 220V EUR
AC1121	Prong for AC adapter, 220V UK
AC1122	Prong for AC adapter, 220V AUS

Capacity x Resolution

Model No.	ozFin	lbFin	kgFcm	Ncm	Nm
MTT02-12	192 x 0.1	12 x 0.005	14 x 0.01	135 x 0.1	1.35 x 0.001
MTT02-25	400 x 0.2	25 x 0.01	28 x 0.02	290 x 0.2	2.9 x 0.002
MTT02-50	800 x 0.5	50 x 0.02	58 x 0.05	570 x 0.5	5.7 x 0.005
MTT02-100	1600 x 1	100 x 0.05	116 x 0.1	1150 x 0.5	11.5 x 0.005