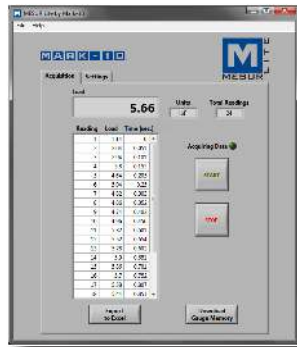




Series TT03 digital torque gauges are designed for clockwise and counter-clockwise torque testing applications in virtually every industry, with capacities from 10 ozFin to 100 lbFin (7 to 1,150 Ncm). A dedicated remote torque sensor with Jacobs chuck can be used to grip a sample, bit, or fixture. The gauges' rugged aluminum housing allows for hand-held use or test stand mounting for more sophisticated testing requirements.

Series TT03 features a sampling rate of 2,000 Hz, producing accurate results under a wide range of test conditions. A backlit graphic LCD displays large characters, and a menu is available to access the gauges' features and configurable parameters. USB output is provided for data collection purposes.



Set point indicators are provided for pass-fail testing. The gauges are overload protected to 150% of capacity, and an analog load bar is shown on the display for graphical representation of applied torque.

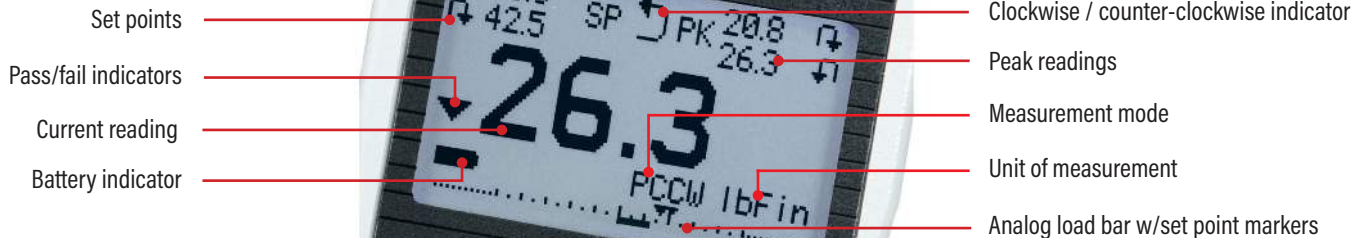
The gauges include MESUR® Lite data acquisition software, for tabulation of continuous or individual data points. One-click export to Excel button easily allows for further data manipulation.

▲ MESUR® Lite data acquisition software is included with Series TT03 gauges

## Features

- Ergonomic torque sensor with Jacobs chuck
- Peak torque values saved and displayed
- High-speed 2,000 Hz sampling rate
- USB data output of continuous or individual data points
- Programmable set points with pass/fail indicators
- Live load bar graph with set point markers
- Peak CW and CCW readings always displayed
- Set points always displayed
- Configurable audio alarms and key tones
- MESUR® Lite data collection software included

## Display Indicators



## Optional Items



**AC1100**  
**Tabletop stand for indicator**  
 Conveniently positions the indicator for easy viewing. Includes thumb screws for indicator installation and thru holes for bench mounting.



**AC1007**  
**Tabletop stand for sensor**  
 Secures the sensor in a horizontal orientation.

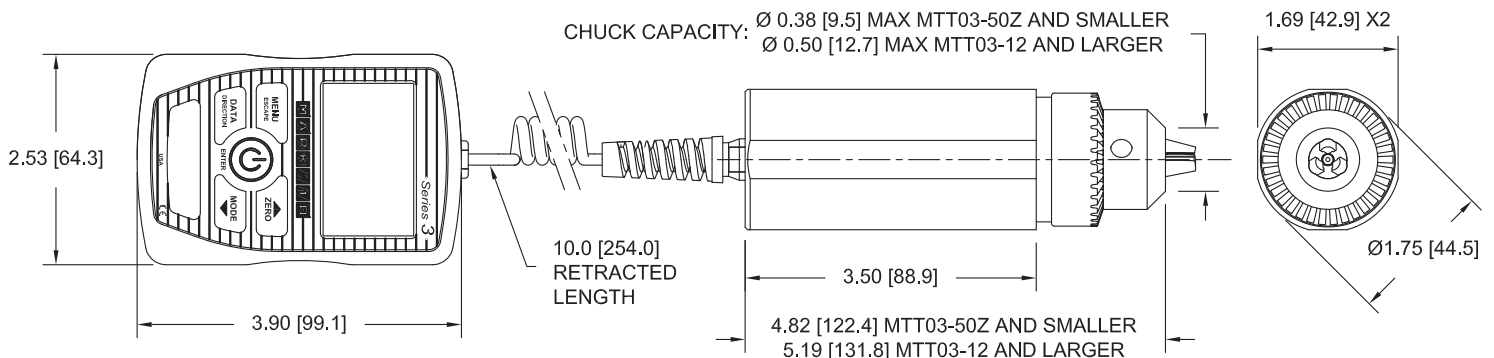


**CERT**  
**Calibration certificate with data**  
 Includes 10 data points in each measurement direction (short form certificate without data is included).

## Specifications

<b>Accuracy:</b>	±0.5% of full scale
<b>Sampling Rate:</b>	2,000 Hz
<b>Power:</b>	<b>AC adapter:</b> 100-240VAC, 50-60 Hz, 0.3 A <b>Battery:</b> Rechargeable 8.4V NiMH Low battery indicator appears when battery level is low, and gauge powers off automatically when power reaches critical stage.
<b>Battery life:</b>	<b>Backlight on:</b> up to 7 hours of continuous use <b>Backlight off:</b> up to 24 hours of continuous use
<b>Measurement Units:</b>	ozFin, lbFin, kgFmm, Ncm (depending on model)
<b>USB Output:</b>	Configurable up to 115,200 baud.
<b>Safe overload:</b>	150% of full scale (display shows "OVER" at 110% and above)
<b>Weight:</b>	1.8 [0.8 kg]
<b>Environmental requirements:</b>	40 - 100°F, max. 96% humidity, non-condensating
<b>Warranty:</b>	3 years (see individual statement for further details)

## Dimensions in [mm]



## In The Box

Series TT03 torque gauges are shipped as shown at right, and include the following accessories:

- (1) Carrying case
- (1) Chuck key
- (1) USB cable
- (1) AC adapter
- (1) Battery
- (1) Certificate of calibration without data (data is optional)



## Capacity & Resolution

Model No.	ozFin	lbFin	kgFmm	Ncm
MTT03-10Z	10 x 0.01	-	7 x 0.005	7 x 0.005
MTT03-20Z	20 x 0.02	-	14 x 0.01	14 x 0.01
MTT03-50Z	50 x 0.05	-	36 x 0.05	35 x 0.05
MTT03-12	192 x 0.2	12 x 0.01	-	135 x 0.1
MTT03-50	800 x 0.5	50 x 0.05	-	570 x 0.5
MTT03-100	1600 x 1	100 x 0.1	-	1150 x 1

All models include 110V AC adapters, unless ordered as below:

Add suffix 'E' for euro plug (220V), 'U' for UK plug (220V) or 'A' for Australian plug (220V).

Example: MTT03-50ZE, MTT03-50U, ,A