

SERIES TT03 – DIGITAL TORQUE GAUGE

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. Currently displayed readings may be sent to MESUR™ Lite for tabulation and one-click export to Excel for further data manipulation.

- **ERGONOMIC TORQUE SENSOR WITH JACOBS CHUCK**
- **PEAK TORQUE VALUES SAVED AND DISPLAYED**
- **HIGH-SPEED 2,000 HZ SAMPLING RATE**
- **USB DATA OUTPUT**
- **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**

SPECIFICATIONS

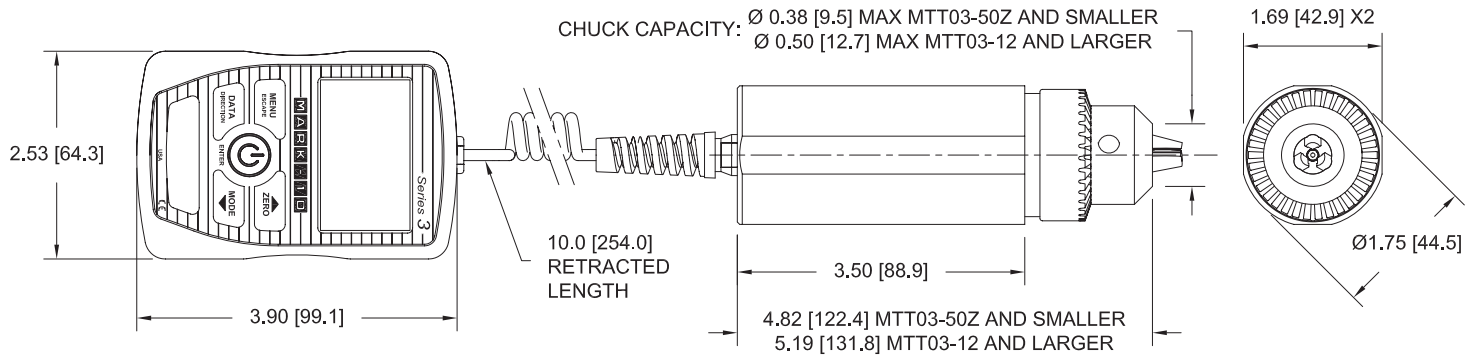
ACCURACY:	±0.3% of full scale ±1 digit
SAMPLING RATE:	2,000 Hz
POWER:	AC or rechargeable battery. Multi-step low battery indicator is displayed, gauge shuts off automatically when power is too low.
BATTERY LIFE:	Backlight on: up to 7 hours of continuous use Backlight off: up to 24 hours of continuous use
MEASUREMENT UNITS:	ozFin, lbFin, kgFmm, Ncm (depending on model)
USB OUTPUT:	Individual data point output by pressing DATA key. Configurable up to 115,200 baud.
CONFIGURABLE SETTINGS:	Digital filters, USB output, automatic shutoff, default settings, key tones, audio alarms, calibration.
SAFE OVERLOAD:	150% of full scale (display shows "OVER" at 110% and above)
WEIGHT:	1.8 [0.8 kg]
INCLUDED ITEMS:	Carrying case, universal voltage AC adapter, battery, quick-start guide, USB cable, resource CD (USB driver, MESUR™ Lite software, MESUR™ gauge DEMO software, and user's guide), and NIST-traceable certificate of calibration (certificate with data is available for an additional charge).
WARRANTY:	3 years (see individual statement for further details)

SERIES TT03



Optional AC1008 tabletop mounting stand

SERIES TT03 – DIGITAL TORQUE GAUGE



CAPACITY x RESOLUTION (normal/enhanced)

Model	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	—	12 x 0.01	140 x 0.1	135 x 0.1
MTT03-50	—	50 x 0.05	580 x 0.5	570 x 0.5
MTT03-100	—	100 x 0.1	1150 x 1	1150 x 1

Certificate of calibration with data is available. Part no. is: CERT.

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, MTT03-100A