

SERIES TT03C – DIGITAL CAP TORQUE GAUGE

Series TT03C digital cap torque gauges are quick and economical solutions for basic handheld cap torque testing. These portable instruments eliminate the need to secure closures in a fixture or more elaborate testing system. A dedicated remote torque sensor with Jacobs chuck is supplied with a universal grip for caps from 0.65 - 1.55 in (16.5 - 39.4 mm) diameter (Series TT03C gauges consist of a Series TT03 torque gauge and G1053 cap grip).

Series TT03C records both application and removal torque values (clockwise and counter-clockwise directions), and is available in three capacities from 12 to 100 lbFin (135 to 1150 Ncm).

Series TT03C 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.

- **UNIVERSAL GRIP ACCOMMODATES BROAD CAP SIZE RANGE**
- **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

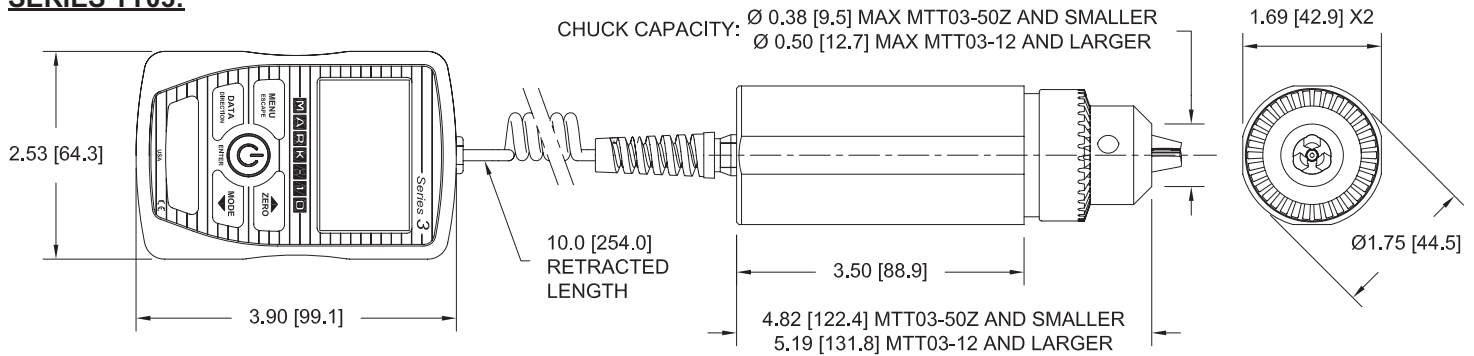
ACCURACY:	±0.5% of full scale ±1 digit
SAMPLING RATE:	2,000 Hz
CAP DIAMETER RANGE:	0.65 - 1.55 in [16.5 - 39.4 mm]
POWER:	AC or rechargeable battery. Multi-step low battery indicator is displayed, gauge shuts off automatically when power is too low.
BATTERY LIFE:	Backlight on: up to 7 hours of continuous use Backlight off: up to 24 hours of continuous use
MEASUREMENT UNITS:	lbFin, kgFmm, Ncm
USB OUTPUT:	By pressing DATA key only. 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)



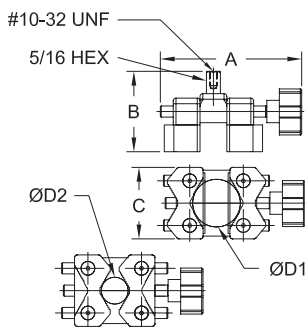
Optional AC1008 tabletop mounting stand

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SERIES TT03:



G1053:



A	B	C	ØD1*	ØD2*
3.1 [78.7]	2.0 [50.8]	1.6 [40.6]	1.16 - 1.80 [29.5 - 45.7]	0.65 - 1.29 [16.5 - 32.8]
* Jaws must be reversed to switch from ØD1 to ØD2				

CAPACITY x RESOLUTION (normal/enhanced)

Model	lbFin	kgFmm	Ncm
MTT03C-12	12 x 0.01	140 x 0.1	135 x 0.1
MTT03C-50	50 x 0.05	580 x 0.5	570 x 0.5
MTT03C-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: MTT03C-12E, MTT03C-50U, MTT03C-100A