



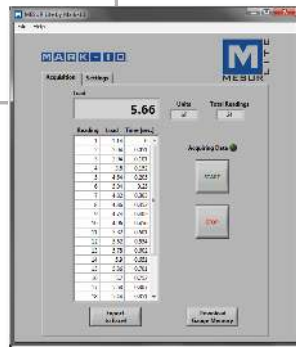
Series TT03C digital cap torque gauges are quick and economical solutions for basic handheld cap torque testing. These portable instruments eliminate the need to secure closures in a fixture or more elaborate testing system. A dedicated remote torque sensor with Jacobs chuck is supplied with a universal 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, 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 TT03C gauges



^ Universal cap grip and ergonomic sensor design makes testing a breeze

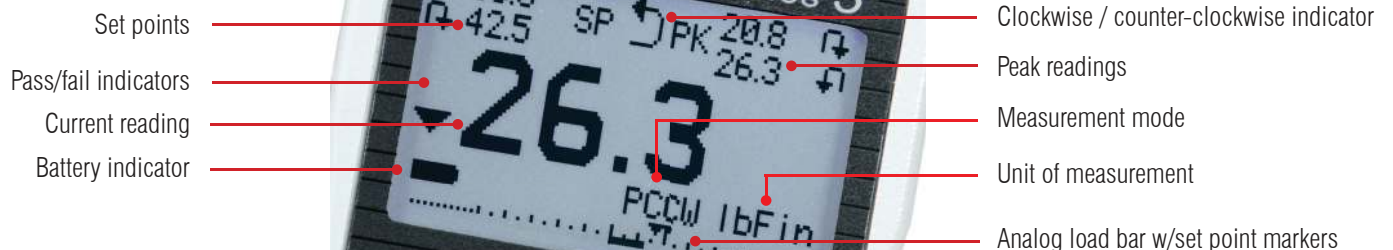


^ Optional AC1008 tabletop mounting stand

Features

- Universal grip accommodates broad cap size range
- 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

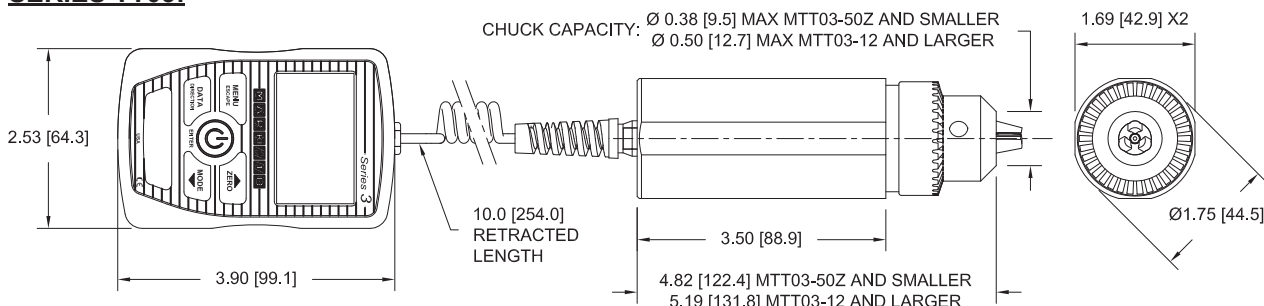


Specifications

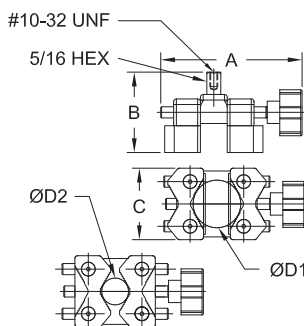
| | |
|------------------------------------|--|
| Accuracy: | ±0.5% of full scale |
| Sampling Rate: | 2,000 Hz |
| Cap Diameter Range: | 0.65 - 1.55 in [16.5 - 39.4 mm] |
| Power: | AC or rechargeable battery. Multi-step low battery indicator is displayed, gauge shuts off automatically when power is 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, ozFin, Ncm |
| USB Output: | Configurable up to 115,200 baud. |
| Safe Overload: | 150% of full scale (display shows "OVER" at 110% and above) |
| Weight (without grip): | 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). |
| Environmental requirements: | 40 - 100°F, max. 96% humidity, non-condensating |
| Warranty: | 3 years (see individual statement for further details) |

Dimensions in [mm]

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

Optional Items

| | |
|---------------|--------------------------------------|
| AC1008 | Tabletop mounting kit |
| CERT | Certificate of calibration with data |

Capacity & Resolution

| Model No. | lbFin | lbFin | Ncm |
|------------|-----------|-----------|-----------|
| MTT03C-12 | 12 x 0.01 | 12 x 0.01 | 135 x 0.1 |
| MTT03C-50 | 50 x 0.05 | 50 x 0.05 | 570 x 0.5 |
| MTT03C-100 | 100 x 0.1 | 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: MTT03C-12E, MTT03C-50U, MTT03C-100A