

32-1103 REV 2



Series CTA Cap Torque Testers present a simple, accurate, and economical solution for manual cap torque testing. These testers are ideal for lab or production use for closure manufacturers, bottlers, food and beverage companies, and others. The CTA captures peak readings for application and removal torques. Data output via RS-232 and Mitutoyo enable reporting and analysis of test data via PC or other data collector. Adjustable posts effectively grip a broad range of container shapes and sizes, while optional flat and adjustable jaws are available for unique profiles. Innovative mechanical overload protection provides peace of mind. The CTA features an aluminum housing, rugged construction and close attention to engineering you'd expect from Mark-10.

Specifications

Accuracy:	±0.5% of full scale ±1 digit
Power:	AC or non-rechargeable 9V battery, with Intelligent Power Management System (IPM). IPM warns the user via a "LO BAT" indicator and then will power off the gauge.
Battery Life:	30 hours of continuous use
Selectable units of measurement:	lbFin, kgFmm, Ncm
Safe overload:	150% of full scale (display shows "----" at 110%+)
Weight:	6.5 lb [2.9 kg]
Environmental Requirements:	40° F - 100° F [5° C - 45° C], <96% humidity (non-condensating)
Warranty	3 years (see individual statement for further details)



^ Optional carrying case



^ Optional flat jaws



^ Optional adjustable jaws



^ Optional calibration kit

Features

Wide sample size range	Portable and flexible for a wide range of applications
Peak memory	For application and removal torque
Data outputs	RS-232 and Mitutoyo (Digimatic)
Selectable units	Measure in lbFin, kgFmm, or Ncm
Moveable posts	Accommodate a wide range of samples
Push-button	Simple and quick calibration procedure calibration

Optional Equipment

Flat jaws CT001	Set of rubber jaws for gripping square or odd shape containers
Carrying case CT002	Provides storage space for the CTA tester, CT001 gripping jaws, AC adapter, and accessories.
Adjustable jaws CT003	Rubber-edged arms may be independently repositioned to accommodate unique samples.
Calibration kit AC1036	Complete set of brackets, cable, and hardware for calibration of any Series CTA torque tester. Weights not available from Mark-10.

Ordering Information

Model No.	Capacity x Resolution
CTA12	12 x 0.01 lbFin, 140 x 0.1 kgFmm, 135 x 0.1 Ncm
CTA50	50 x 0.05 lbFin, 580 x 0.5 kgFmm, 570 x 0.5 Ncm
CTA100	100 x 0.1 lbFin, 1150 x 1 kgFmm, 1150 x 1 Ncm
CT001	Flat jaws, pair
CT002	Carrying case
CT003	Adjustable jaws, pair
AC1036	Calibration kit for CTA (weights not included)

All models include 110V AC adapters. Add suffix 'E' for euro plug (220V), 'U' for UK plug (220V), or 'A' for Australian plug (220V). EX: CTA12E, CTA50U, CTA100A

A study in simplicity...

Recall peak readings for CW and CCW directions
One-push data output to a PC or other device



Easy-to-read display shows real time or peak torque reading, measurement direction, units, and battery status

Zero the reading to begin a new test

Easily change measurement units

Dimensions

in [mm]

