

The Originator and Industry Leader in Digital Torque Meters

Electronic Torque Meter

CAP TORQUE ANALYZER FOR BOTTLE CLOSURES

A precision digital torque meter for bottle closures that's accurate, portable, economical and easy to operate . . . a must for every quality control minded packager



Applications include:

- Torque inspection of capped containers
 - Quality assurance of production packaging equipment
 - Quality control, Final inspection reporting and validation
 - Torque determination for setting production guidelines
- IN STOCK FOR IMMEDIATE DELIVERY!**

The Proven Standard @ . . . Since 1941.

KAPS-ALL
PACKAGING SYSTEMS INC.

KAPS-ALL CAPPER®	FILLS-ALL®
FEED SYSTEMS®	ORIENTAINER®

200 Mill Road, Riverhead, NY 11901-3125 USA
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www.kapsall.com

Electronic Torque Meter and Cap Torque Analyzer for Bottle Closures

STANDARD FEATURES:

- Measures both application and removal torques of screw caps and closures on their containers.
- Unsurpassed electronic accuracy at an affordable price.
- Certificate of traceability to the National Bureau of Standards is available with each unit.
- Displays torque in 5 different units: Lb.-in., Oz.-in., Lb.-ft., Kg.-cm. and N-m. (Both Metric and British).
- Multiple peak hold mode.
- Display torque is held on screen for easy viewing until next test. No optional mechanical minimum and maximum indicators required.
- Collect and store test values. Download to a printer or PC for later analysis.
- Lexan display panel for easy use and cleaning.
- Downward and upward pressure do not affect the electronic torque meter as it would a mechanical unit.
- Stainless steel bottle clamping mechanism quickly and easily adjusts from vials to gallon containers.
- Handles all container styles, shapes and materials.
- Only one model is necessary for a torque range from 0-100 Lb.-in. (0-115 Kg.-cm.) with no sacrifice of accuracy. Easily converted to other torque ranges for special applications. (Special ranges available upon request.)
- Handles all styles, materials, shapes and sizes of closures, including child resistant and tamper evident.
- Calibration can be easily verified and validated with optional calibration kit.
- Portable and compact — measures only 10-1/2" wide x 10-3/4" deep x 7 3/4" high.
- Automatic zero adjustment.
- Suitable for sanitary environments.
- Can operate with both 110V, 1 Phase 50-60 Hz, (other voltages available) and rechargeable Ni-Cad batteries for complete portability.
- Comes standard with built-in battery charger. Automatic shut-off conserves batteries.
- Quality, rugged, stainless steel enclosure.
- No springs or internal moving parts.
- Solid-state circuitry.
- Accurate, consistent operation, minimizes testing error, optimizes quality assurance.
- Non-destructive testing eliminates waste of closures and product.
- Audible and visual (LED) indicators assist in ease of operation. Three indicator lights provide for rapid visual test results.
- Can also be used as a basic torque tester without statistics and indicator lights.

Other Torque Meter Applications and Uses

Model EB-650 can be used for testing and calibration of torque tools, small assemblies and other applications where torque testing is required.

Note: Due to Kaps-All Packaging Systems' commitment to maintain leadership in the packaging and bottling industry, dimensions and specifications are subject to change without notice. All dimensions are in inches, unless otherwise noted.

Built-in microcomputer at no extra charge with standard statistical analysis package allows operator to display test results on integral screen without the need for additional computers and printer.

Statistics include:

Lot number

Sample size tested

Units selected

Minimum torque

Maximum torque

Average torque

Standard deviation

Upper torque limit

Target torque limit

Lower torque limit

Bottles over range

Bottle under range

Electronic On-Line Torque Monitor and Recording System

- The machine model measures application torque of screw caps while being capped on their containers as the capper is operating throughout the entire speed range of up to 200 BPM.
- LCD screen displays final torque of each container being capped.



- Outputs for visual and audible alarms can provide a signal to rejector for containers with low torques.



Two line display shows:

- Unit in application or removal mode.
- Torque scale units desired.
- Printer On/Off
- Test results to the closest 10th.
- Standard LED indicator lights.
- Statistical analysis data is displayed on screen or sent to computer or printer.
- Five standard units (Metric and British).
- RS-232 interface for computer and printer.
- Print out of test results and statistics.
- Compact printer. Microprocessor based circuitry with programmed statistical package.



Rugged and compact, Kaps-All's portable Torque Meter offers non-destructive testing and is easy to operate.

SPECIAL CONFIGURATIONS AND ACCESSORIES:

- Special torque ranges - Microcomputer is preprogrammed to accept one of (5) different torque ranges for any special application you may have.
- Complete calibration kit allows calibration to be done in your plant. The built-in computer automatically prompts and instructs operator through the calibration sequence using the integral LCD screen.
- RS-232 software package interface for computer, printer or terminal.
- Dot matrix Impact Printer with RS-232 interface. power supplied from Torque Meter through the RS-232 cable (included).
- Integral On-Line Torque Monitor available for use with Automatic Capping Machines. Request brochure.

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- KAPS-ALL® Bottle Cappers • Cap Tighteners • FILLS-ALL® Rotary and Straight Line Automatic and Semi-Automatic Liquid Fillers
- Bulk Loaders • FEED SYSTEMS® Rotary and Escalator Parts Feeders • ORIENTAINER® Bottle Orienters and Unscramblers
- Accumulators • CLEAN-N-VAC® Bottle Cleaners • CONVEYS-ALL® Conveyor Systems • Ball Placers • Bottle Carriers
- Heat Induction Bottle Sealers • Inspection Systems • EASY KAP® Hand Cappers • Desiccant Inserters
- Electronic Torque Metering and Monitoring • Custom Packaging Machinery •