



# CAP-TNP

## Digital Cap Torque Tester

- $\pm 0.5\%$  Full Scale Accuracy
- Hi/Go/Lo Limits and LED Indicators
- Displays Torque values in, lb./in, LBin, KgcM and Nm, Ncm
- USB interface including FREE Digitorq Software
- Captures Peak Opening, Peak Closing and Average torque values (CCW, CW)
- One touch operation, retains up to 1000 measurements in memory
- Easy to read LCD
- Rechargeable NIMH batteries and / or Universal AC adapter
- Small foot print, compact design
- Open and Close Modes:  
*Max vale when opening  
[CCW torque direction]*
- Average Mode:  
*Continuous torque values in real time*
- Includes NIST Traceable Calibration Certificate

**Three models  
covering small,  
medium and  
large containers**



**The new CAP-TNP torque meter is a precision instrument that measures OPEN and CLOSE torque values for various applications.** As a cap torque analyzer, the CAP-TNP repeatedly determines bottle closure and breakaway torque. It has a wide memory capacity capable of storing 1,000 data points in addition to Average, Maximum and Minimum values. A HI-LO comparator feature can be utilized for a large batch testing to ensure overall product quality.

The CAP-TNP torque meter is USB capable for computer testing. Combined with the free Digitorq Software, additional analysis and testing can be performed.

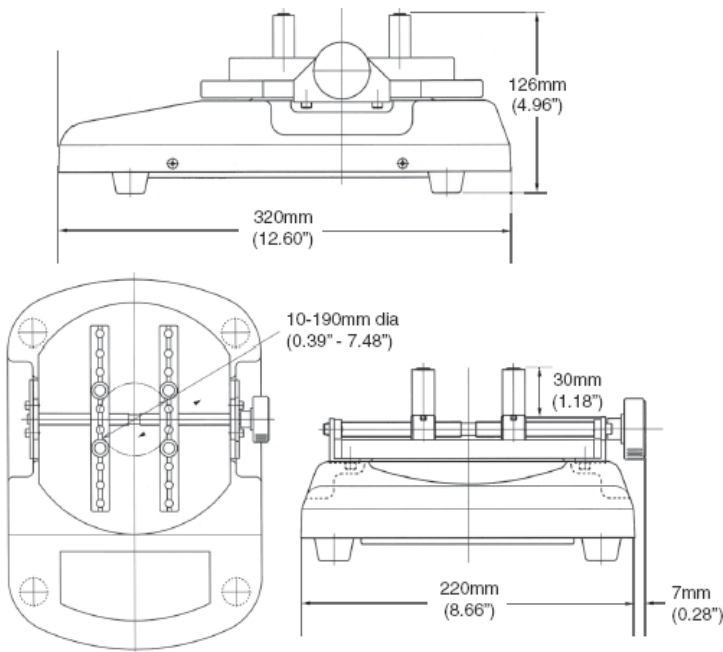
The Cap-TNP is a portable device powered with internal rechargeable batteries or through an AC Adpater/charger. Designed with a small footprint it can easily be transferred to maximize use around the shop floor or the laboratory.

# Specifications

<b>Overload Protection</b>	150%	<b>Display Update</b>	1, 2, 4 or 8 updates/second, user-set
<b>Sample Diameter Range</b>	(min to max) 0.39" to 7.48" (10 - 190 mm)	<b>Sampling Rate</b>	1000 times/second
<b>Overload display</b>	Display "OVR" on LCD (blinking on/off)	<b>Memory Storage</b>	1000 data points (max)
<b>Main display</b>	4-digit LCD display Character height 12mm	<b>Statistic process</b>	Average value, max value and min value
<b>Sub display</b>	3-digit LCD display  Character height 7mm	<b>Data output</b>	USB 1.1
<b>Comparator display</b>	Hi, GO, Lo LED Indicators	<b>PC software</b>	Digitorque software
<b>Accuracy</b>	± 0.5% full scale	<b>Accessories</b>	USB cable, AC adapter, 30mm chuck pin (4pcs), Manual
<b>Open mode</b>	Max vale when opening. Displays max counter clockwise torque.	<b>Power</b>	Built in nickle hydride battery or Auto-ranging AC adapter (AC 100 — 240V)
<b>Close mode</b>	Max value when closing. Displays max clockwise torque	<b>Dimensions</b>	12.60" x 8.94" x 4.96" (320 x 227 x 126mm) L x W x H
<b>Average mode</b>	Real time display. Displays max torque in real time	<b>Operation Temp.</b>	32 - 104°F (0 - 40°C)
		<b>Battery Life</b>	8 hours after full charge
		<b>Battery Recharge Time</b>	Max. 16 hours
		<b>Battery Type</b>	NiMH

## Torque Ranges

MODEL	CAPACITY	RESOLUTION
<b>TNP-2</b>	0-2.000 Nm 0-200.0 Ncm 0-20.39 Kgcm 0-17.70 Lbin	0.001 Nm 0.1 Ncm 0.01 Kgcm 0.01 Lbin
<b>TNP-5</b>	0-5.000 Nm 0-500.0 Ncm 0-50.99 Kgcm 0-44.25 Lbin	0.001 Nm 0.1 Ncm 0.01 Kgcm 0.01 Lbin
<b>TNP-10</b>	0-10.00 Nm 0-1000 Ncm 0-102.0 Kgcm 0-88.50 Lbin	0.01 Nm 1 Ncm 0.1 Kgcm 0.1 Lbin



## Complete Kit



CAP-TNP includes, tester, set of four 1" gripping pegs, AC adapter, calibration certificate, USB Cable with CD-Software and instruction manual.

**CHECKLINE®**  
MADE TO MEASURE

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