mountz®
the torque tool specialists

PRODUCT BROCHURE
EZ-TORQ III TORQUE ANALYZER

Mountz EZ-TorQ III Torque Analyzer

MEASURING TORQUE WITH PRECISION AND ACCURACY

- Calibrate and test small torque screwdrivers, wrenches, and power tools.
- Easy to use for a torque verification process and validation of a tool on the assembly line
- 5" full-color touch-screen provides an intuitive interface—quickly program and select test parameters
- Data collection—record and store torque readings
- Analyze torque data and calculate statistical data
- Portable battery-powered torque tester
- Torque measurement capacity ranges 0.1 - 300 lbf.in (1.1–3390 cN.m)
- Supplied with a Free ISO 17025 calibration certificate

ENGINEERED IN SILICON VALLEY
MOUNTZ
SINCE 1965

QUALITY IS AT THE HEART OF EVERYTHING WE DO

Relied on by leaders in aviation, automotive, medical and electronic — all industries in which measuring torque is critical.

Calibrate, validate, and maintain your torque tools

The Mountz EZ-TorQ III torque analyzer makes torque testing easy and mobile from calibration labs to assembly stations. Regular tool calibration and torque testing processes help manufacturers ensure repeatable accuracy and adherence to international standards. Companies must control torque to ensure their product's quality, safety, and reliability aren't compromised.

A torque analyzer is a vital instrument for a quality control program. Investing in a torque testing solution eliminates downtime and expenses for shipping tools back and forth to an outside service center. It allows you to calibrate instruments more often and reduce calibration turnaround times and costs.

An easy-to-use torque verification tool providing torque measurement at your fingertips

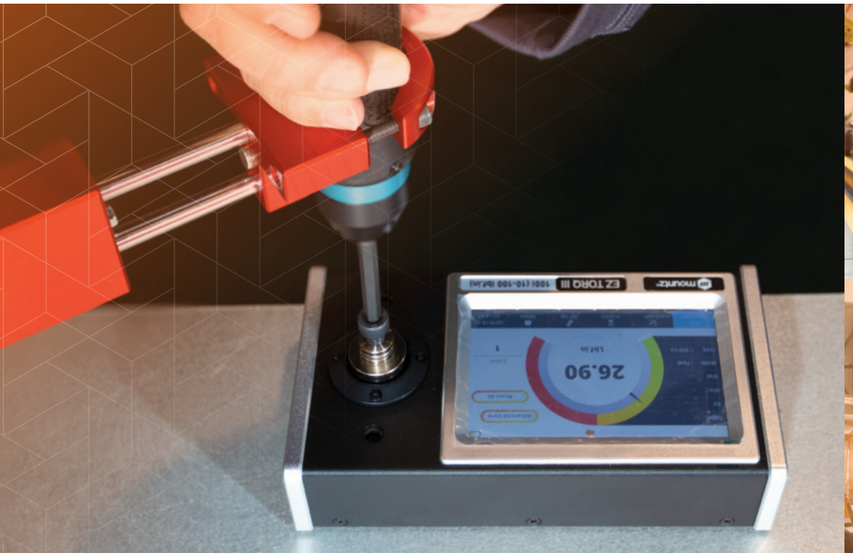
For quality-minded assembly professionals wanting to ensure their small hand and non-impacting power torque tools are accurate every time they are on the floor, meet the next generation torque analyzer, the EZ-TorQ III.

Highly portable and user-friendly, the battery-powered torque analyzer can be easily carried around the assembly line to spot-check tools as part of a QA program or used at assembly stations for quick and easy torque tool validation and calibration. The smartphone like touch-screen interface breaks down barriers and ensures quick and easy validation of different ranges as needed.

In the manufacturing and assembly world, tightening, controlling, or measuring torque fasteners is imperative for production efficiency. An inadequately torqued fastener can vibrate or work loose; conversely, if the tension is too high, the fastener can snap or strip its threads. Faced with these problems, manufacturers realize that precise torque control can spell the difference between a safe, reliable, and economical product and a complete disaster. Providing an easy to implement torque verification solution like the EZ-TorQ III can assist in this critical QC endeavor.

Using a quality torque analyzer has become increasingly important for many companies to ensure proper torque is applied. Testing torque is a science and not something that can be left to chance.

The EZ-TorQ III makes torque control more manageable and more available across every aspect of the line, from the calibration lab to the assembly station.



Reduce tool calibration costs with a Torque Analyzer

Torque tools go out of calibration with use. Calibrating a torque tool is a fine-tuning process of bringing the device back within its tolerance. A regular torque tool calibration ensures repeatable accuracy and adherence to international standards.

Shipping tools to the calibration lab can cause production slowdowns or additional tooling costs for manufacturers to purchase and deploy backup tools during maintenance intervals. Investing in torque measurement equipment allows manufacturers to test more often, reducing calibration turnaround times and costs.

The value of Torque Verification Program

How do you know when a tool starts to drift out of calibration? It is a nagging quality issue that manufacturing engineers and quality engineers grapple with daily.

Over time and daily usage, a torque tool will eventually deliver more or less torque than intended. Relying only on time-based calibration intervals for torque tools exposes manufacturers to risks. Discovering the device is found out of calibration generates uncertainty. How long has the tool been used to tighten fasteners while out of calibration?

The best process for engineers to ensure torque tools stay within tolerance is to test and verify the tools regularly. Keeping tools in calibration requires a frequent torque verification process. It is not because tools frequently go out of calibration. Instead, when tools go out of calibration, it's challenging to identify when it occurred and how long they were in use while "out of calibration."

PRODUCT OVERVIEW

FEATURE	ADVANTAGE	END USER BENEFIT
Supplied with a free ISO 17025 Certification of Calibration	• Calibration certificate provided by an ISO 9001 certified and ISO 17025 accredited company	• Traceability compliance to International Standards • Quality per the highest standards • Peace of mind • Cost Savings of $384.00
Measure Torque	• Instrument for torque calibration and torque verification programs	• Validate, test & calibrate small hand & power tools. • Ensure proper torque is being applied and tools maintain conformity with quality standards
Mountz EZ-TorQ III Data Streamer (Microsoft Office 365 based interface software)	• Capture torque readings • Ability to download readings • Flexibility and ease of use • Interacts with Windows Excel	• Ability to analyze data and calculate statistical data • Creates a historical record of your torque readings • Documentation solution
Data download and memory	• Multiple data transfer options • Compatible with 8 GB SD Memory Card • Real time data acquisition via mini USB	• Built-in data storage • Download data to external devices • SD card is removable & portable • Easy to store and transfer data
Safety and quality standards: RoHS, CE, ISO 17025	• Compliance with international standards	• Global safety recognition • Peace of mind
Multi language operation	• Selectable language options to choose English, Spanish, French, German, Chinese & Portuguese	• Globally accepted • Operator uses the language most comfortable with
Digital color touch screen display	• Latest technology • Vibrant colors to process information. • Easy to view color indicators for tolerance settings	• Enhance user experience
SPC on screen	• View data in real time	• Min, High, STD DEV, Cm and CmK calculation on screen • GO/NG data • Data is easily accessible
Intuitive user interface	• Data displayed on color screen • Digital color indicator for target torque and tolerance settings • Display operational in two viewing options • Data history option displays last 10 test results • Graphing feature allows you to set a target zone and view torque-up curve	• Innovative (first in class UX/UI) experience • Easy to follow menu and user interface save set up and training time • Enhanced visual display • Easy and quick to set-up
Long life battery	• Rechargeable lithium-ion battery with capacity up to 11 hrs of operation	• Operates longer between battery charges
Portability	• Compact and small size	• Can be used in production floor or in calibration lab • Test small hand screwdrivers, torque wrenches and non-impacting power tools

EZ-TorQ III product specifications

- Accuracy ± 0.5% of reading from 20% to 100%, accuracy ± 1% of reading from 10% to 20%
- Seven units of torque measurement (ozf. in, lbf.in, lbf.ft, cN.m, N.m, kgf.m, kgf.cm)
- Torque Tester is recommended for hand screwdrivers, most wrenches and power tools (not for use in testing Impact or Pulse type tools.)
- Selection of three operation modes: (Track, Peak and First Peak)

MODEL	ITEM NO.	TORQUE RANGES			DRIVE SIZE	WEIGHT
		LBF.IN	CN.M	KGF.CM		
EZ-TorQ III 1i	070809	0.1–1	1.1–11.3	0.1–1.2	1/4" F/Sq	3.3 lbs
EZ-TorQ III 3i	070816	0.3–3	3.4–33.9	0.3–3.5	1/4" F/Sq	3.3 lbs
EZ-TorQ III 5i	070815	0.5–5	5.6–56.5	0.6–5.8	1/4" F/Sq	3.3 lbs
EZ-TorQ III 10i	070810	1–10	11.3–113	1.2–11.5	17mm Female/Hex	3.3 lbs.
EZ-TorQ III 50i	070811	5–50	56.5–565	5.8–57.6	17mm Female/Hex	3.3 lbs.
EZ-TorQ III 100i	070812	10–100	113–1130	11.5–115	17mm Female/Hex	3.3 lbs.
EZ-TorQ III 150i	070813	15–150	169.5–1695	17.3–173	17mm Female/Hex	3.3 lbs.
EZ-TorQ III 300i	070814	30–300	339–3390	34.5–345	17mm Female/Hex	3.3 lbs.

EZ-TorQ III models

EZ-TORQ III (10i–300i MODELS)

Features a 17mm Hex drive size.

EZ-TORQ III (1i–5i MODELS)

Features a 1/4" F/Sq drive size.

SD CARD

All models have SD Memory Card slot.

Run down adapters

A run down adapter is required when testing power tools with the EZ-TorQ III. These are joint simulators that provide consistent and reliable torque readings for use with power-driven torque control tools. A run down adapter reduce the impact and irregular peaks that cause poor repeatability. The adapter is mounted inline between the tool's drive and the EZ-TorQ's transducer.

Run down adapters supplied with EZ-TorQ III

EZ-TORQ III 1i

One screw run down adapter for “hard joint” testing applications is supplied.

EZ-TORQ III (3i–5i MODELS)

One screw run down adapter for “hard joint” testing applications is supplied. One S-Series run down adapter for "soft joint" testing applications is supplied.

EZ-TORQ III (10i–300i MODELS)

Two screw run down adapters for “hard joint” testing applications are supplied.

EZ-TORQ III	1i	3i	5i	10i	50i	100i	150i	300i
Screw RDA	M2Q	M2Q	M3Q	M2 M3	M3 M4	M4 M6	M4 M8	M8 M12
S-Series RDA	–	RDA-S0	RDA-S1.5	*	*	*	*	*

Note: See page 8 for product specification for these run down adapters.

*There are S-Series run down adapters available to be purchased separately for EZ-TorQ III (10i–300i models) for “soft joint” testing applications. See page 9 for additional model options.

Screw run adapters

Screw run adapters are designed to provide run down simulation for a “hard joint” application.

M2Q M3Q M2 M3 M4 M6 M8 M12

MODEL	ITEM NO.	TORQUE RANGES		INPUT DRIVE	OUTPUT DRIVE
		AMERICAN	S.I.		
Screw RDA–M2Q	070837	0.3–3 lbf.in	3.4–33.9 cN.m	1.5mm Hex	1/4" M/Sq
Screw RDA–M3Q	070838	0.5–5 lbf.in	5.6–56.5 cN.m	2.5mm Hex	1/4" M/Sq
Screw RDA–M2	070820	1–4 lbf.in	11.3–45.2 cN.m	1.5mm Hex	17mm M/Hex
Screw RDA–M3	070821	4–10 lbf.in	45.2–113 cN.m	2.5mm Hex	17mm M/Hex
Screw RDA–M4	070822	10–50 lbf.in	113–565 cN.m	3mm Hex	17mm M/Hex
Screw RDA–M6	070823	10–100 lbf.in	113–1130 cN.m	5mm Hex	17mm M/Hex
Screw RDA–M8	070824	15–150 lbf.in	169.5–1695 cN.m	6mm Hex	17mm M/Hex
Screw RDA–M12	070825	30–300 lbf.in	339–3390 cN.m	10mm Hex	17mm M/Hex

S-Series run down adapters

It is designed to provide run down simulation for a “soft joint” application.

S600 S400 S200 S75 S15 S10 S1.5 S0

MODEL	ITEM NO.	TORQUE RANGES		INPUT DRIVE	OUTPUT DRIVE
		AMERICAN	S.I.		
RDA-S0	070844	0.3–3 lbf.in	3.4–33.9 cN.m	1.5mm Hex	1/4 M/Sq
RDA-S1.5	070845	0.5–5 lbf.in	5.6–56.5 cN.m	2.5mm Hex	1/4 M/Sq
RDA-S10	070835	1–6.1 lbf.in	11.3–68.6 cN.m	2.5mm Hex	17mm Hex
RDA-S15	070833	2.1–11.5 lbf.in	25.5–129.5 cN.m	2.5mm Hex	17mm Hex
RDA-S75	070834	6.9–52.1 lbf.in	78.5–588.4 cN.m	3mm Hex	17mm Hex
RDA-S200	070840	15.6–121.5 lbf.in	1.8–13.7 N.m	5mm Hex	17mm Hex
RDA-S400	070839	48.6–286.4 lbf.in	5.5–32.4 N.m	6mm Hex	17mm Hex
RDA-S600	070841	48.6–434 lbf.in	5.5–49 N.m	10mm Hex	17mm Hex

At Mountz, we take great pride in knowing that our advanced torque tools will end up in the right hands.

mountz®
the torque tool specialists

mountztorque.com

ABOUT MOUNTZ

Mountz, The Torque Tool Specialists®, has been a leader in the torque tool industry for more than 59 years. Engineered in the Silicon Valley and serving the globe, Mountz focuses on delivering high-quality torque products, services, and solutions to ensure customers can always proceed with confidence. We are committed to forging a safer world through precision and accuracy, and by innovating every day.

SILICON VALLEY HEADQUARTERS AND SERVICE CENTER

1080 N. 11th St., San Jose, CA 95112
408-292-2214 / M–F 6am–5pm PST

ALABAMA DISTRIBUTION AND SERVICE CENTER

19051 Underwood Road, Foley, AL 36535

INTERNATIONAL

For inquiries outside of the USA, Canada, and Mexico, please contact:
international@mountztorque.com
Phone: +44 1428 741756