



Digital torque testers

Sales brochure



PHYSICAL
PROPERTIES
TESTERS
GROUP

Explore our range of digital torque testers

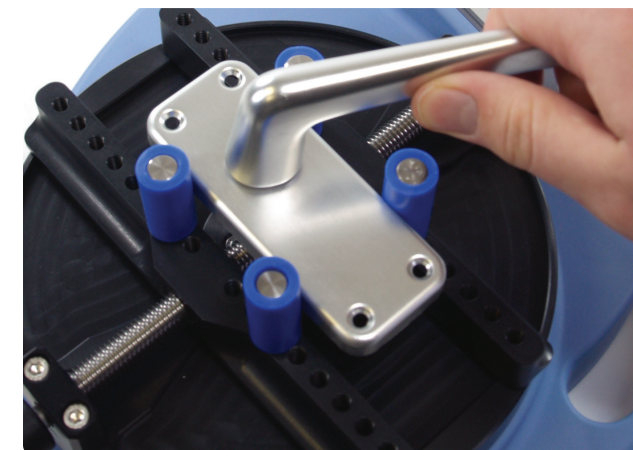
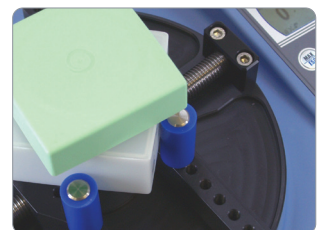
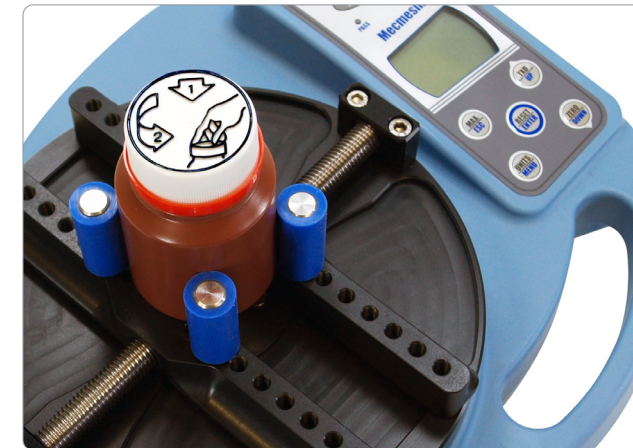
Mecmesin's range of manually operated digital torque testers provide a simple and cost-effective method of measuring low-level torque. These portable 'handheld' instruments require minimal training, making them ideal for product testing in quality control (QC) labs and on the production line.



There are a wide variety of objects that require the application of a torque to operate. From simple packaging and toys, to high-tech automotive and aerospace controls or medical devices.

Whatever the level of complexity, torque measurement is commonly a crucial factor in ensuring the delivery of a well designed and reliably manufactured product.

Torque testing can make up a vital component of a manufacturer's quality management system, enabling conformance with relevant national and international standards, as well as in-house specifications.



VTG Tornado

touchscreen digital torque tester

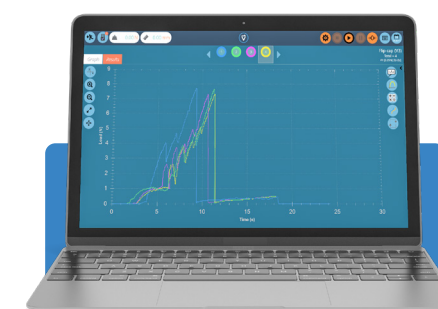
A versatile touchscreen instrument designed to test the applied and release torque of a diverse range of products. An easy-to-use portable torque tester, which features a real-time graph to identify key events such as the bridges breaking on tamper-evident closures. The VTG Tornado hits new heights as a simple, accurate and cost-effective solution for a variety of torque measurement applications.



Discover your next Mecmesin torque tester online - visit mecmesin.com/vtg

Take advantage of Mecmesin's touchscreen technology to accurately capture torque values as large digits and in graphical format. The VTG Tornado features all common units of torque measurement and is equipped with serial data output for recording results. It even has an onboard statistical summary to assist you when batch-testing your products.

	VTG Tornado 1.5	VTG Tornado 3	VTG Tornado 6	VTG Tornado 10
Measurement range	0 - 1.5 N.m	0 - 3 N.m	0 - 6 N.m	0 - 10 N.m
	0 - 15 kgf.cm	0 - 30 kgf.cm	0 - 60 kgf.cm	0 - 100 kgf.cm
	0 - 13 lbf.in	0 - 26 lbf.in	0 - 50 lbf.in	0 - 90 lbf.in
Display resolution	0.0002 N.m	0.0002 N.m	0.0005 N.m	0.001 N.m
	0.002 kgf.cm	0.005 kgf.cm	0.01 kgf.cm	0.01 kgf.cm
	0.001 lbf.in	0.002 lbf.in	0.005 lbf.in	0.01 lbf.in
Container diameter	10 - 78 mm	10 - 78 mm	10 - 190 mm	10 - 190 mm
Load units	mN.m, N.cm, N.m, gf.cm, kgf.cm, kgf.m, ozf.in, lbf.in, lbf.ft			
Sampling rate	5 MHz averaged to 20 - 2000Hz peak capture (user selectable)			
Load accuracy	±0.5% of full scale			
Overload	typically 150% of full scale			
Weight	3 kg	3 kg	3 kg	3 kg
Dimensions (mm)	303 (w) x 278 (d) x 127 (h)			
Part No.	876-123	876-122	876-121	876-120



Vector Pro Lite

Our touchscreen instruments are powered by VectorOS, Mecmesin's technology platform for its latest force and torque test equipment. It delivers intuitive and customisable user interfaces, as well as advanced data acquisition and analysis.

To enhance your testing power you can connect all Vector instruments to a computer and use Mecmesin's VectorPro Lite software for data plotting and reporting.



Powered by VectorPro® Testing software



Tamper proof
Test Tamper-Evident (TE) closures
Capture both initial 'slip torque' and subsequent 'bridge torque' with ease



Measure cap torque
Captures readings in clockwise and counter-clockwise directions as live and peak values



Portable
Lightweight model with handle - easily carry to test locations. Suitable for use in laboratory and production environments



Splash resistant
Rugged case made from non-painted polypropylene. IP54 splash resistant - ideal for use on the factory floor.



Visualisation
Powerful data analysis with live graphing and configurable values - pinch or drag to zoom or pan test result graphs



Alarms
Enhanced alarm configurations - including a 'pre-alert' pass and fail warning for operators as torque is applied



Capacities
Four models with capacities of 1.5, 3, 6 and 10 N.m cover testing from delicate to mid-range torque values



Touchscreen
Easy-to-use icons and customisable interfaces - swipe or press and hold to access menus and options



Battery life
Fast-charging lithium-ion battery for more testing and less charging (compared with NiMH batteries)



Connectivity
Easy export of results to a PC, printer or datalogger in RS232 format via integrated output port





Discover your next Mecmesin
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Mecmesin reserves the right to alter equipment
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