



PRECISION QUALITY CONTROL INSTRUMENTS SINCE 1958



# Multi-Range Torque Tester Model MTM

**18 torque ranges  
up to 5,000 ft/lb**

- Available with 2, 3, or 4 precision torque transducers.
- Selectable units of: Ft-lb, IN-lb, IN-oz, KGF-m, KGF-cm, GF-cm, CN-m, N-m.
- Small footprint of the MTM allows a clean, well-organized work space.
- 200% overload protection.
- LED indicator shows active transducer.
- External transducers can be connected with cable input.
- Includes NIST traceable calibration certificate with data for each transducer.
- Replaceable shaft design. If one shaft is damaged, replace that shaft, not the entire unit.

The MTM series of torque testers provide an economical way to measure and calibrate multiple power drivers, wrenches and other torque tools.

Historically, torque transducers are purchased individually and connected to a display via a switch box or a group of cables. The MTM series integrates up to four transducers in one compact housing. The MTMDP models include an easy-to-read display for fully integrated testing for maximum productivity.



The small footprint also allows for a clean, well-organized work space. This helps eliminate the endless searching for cables, adapters, and other accessories that may be needed.

Features include independent clockwise and counter-clockwise calibration, multi-point linearization, metrology grade transducer shafts, and overload protection to 200% of full scale are standard. All of the above translate to a better product at an unbeatable price.



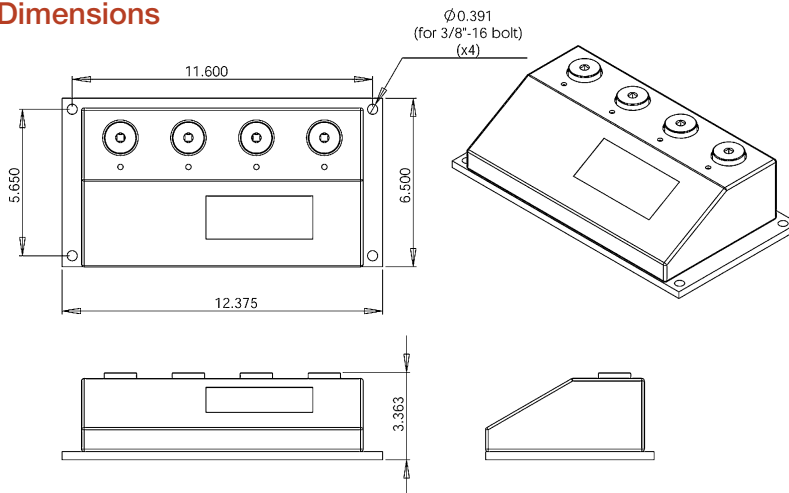
*Horizontal transducer configuration available at no extra charge.*



# MTM Specifications And Dimensions

<b>Calibrated Range</b> <i>Standard</i>	10-100% Full Scale, bi-directional	<b>Power</b>	NiMH rechargeable batteries provide 8-10 hours continuous use
<b>Extended Range</b> <i>ER Option</i>	5-100% Full Scale, bi-directional	<b>Weight</b>	6-12 lbs, depends on number of transducers and configuration
<b>Accuracy</b>	±0.5% of indicated (within calibrated range)	<b>Operating Temp</b>	32 to 120 °F (0 to 50 °C)
<b>Resolution</b>	4 Active Digits	<b>Warranty</b>	1 Year
<b>Overload Protection</b>	200% Full Scale bi-directional	<b>Calibration Certificate</b>	Includes NIST traceable calibration certificate with data for each transducer
<b>Operating Modes</b>	Track, Peak, 1st Peak	<b>Standard Accessories</b>	Joint Simulator for 1/4" & 3/8" drives, AC adapter/Charger
<b>Filtering</b>	Selectable; 125Hz, 250Hz, 500Hz, 1000Hz, 1500Hz and 2000Hz	<b>Optional Accessories</b>	Joint Simulators for 1/2", 3/4" & 1" transducers, Extended Range "ER" option
<b>Memory</b>	Data storage of up to 999 readings		
<b>Data Output</b>	RS-232		
<b>Display</b>	62 x 62mm backlit LCD		
<b>Alarm Limits</b>	Panel Mounted LED for Visual Alarm Limits		

## Dimensions



Model	Torque Range	Drive Size	Run-Down Fixture
ITI0-10	1 – 10 Oz-in	1/4"	Included
ITI0-50	5 – 50 Oz-in	1/4"	Included
ITI0-100	10 – 100 Oz-in	1/4"	Included
ITI-10	1 – 10 Lb-in	1/4"	Included
ITI-25	2.5 – 25 Lb-in	1/4"	Included
ITI-50	5 – 50 Lb-in	1/4"	Included
ITI-100	10 – 100 Lb-in	1/4"	Included
ITI-250	25 – 250 Lb-in	3/8"	Included
ITI-500	50 – 500 Lb-in	3/8"	Included
ITF-100	10 – 100 Lb-ft	1/2"	Optional
ITF-150	15 – 150 Lb-ft	1/2"	Optional
ITF-250	25 – 250 Lb-ft	1/2"	Optional
ITF-750	700 – 750 Lb-ft	3/4"	Optional
ITF-1000*	100 – 1000 Lb-ft	1"	Optional
ITF-2000*	200 – 2000 Lb-ft	1"	Optional
ITF-3000*	300 – 3000 Lb-ft	1-1/2"	Optional
ITF-5000*	500 – 5000 Lb-ft	1-1/2"	Optional

## Related Products

### RDF Joint Fixtures

Required for accurate torque measurement for power-driven torque controlled tools (electric, hydraulic or pneumatic).



**TT-3000 Series Torque Tester**  
Bidirectional accuracy of ±0.5% of indicated reading.

Range shown using default units. Other available units are: Oz-in, Lb-in, Lb-ft, N-m, N-cm, Kgf-m, Kgf-cm, Gf-cm. Custom ranges available. \*Ranges over 750 Lb-ft are supplied as cable connected external sensors. Contact us for more information.



**For additional information or to place an order CALL TOLL FREE 1-800-645-4330**

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