



# AWS-MTM

## desktop torque testers

The **AWS-MTM testers**, have a system accuracy of 0.5% indicated reading for top 90% of tester range. This torque tester is designed to provide multiple torque ranges with one display - Ozf In to 750 Lbf Ft internal. It is well suited for hand or power tool validation/certification.

### Advanced Witness Series, Inc.

#### Rundown Fixtures

1/4" and 3/8" rundown fixtures (up to 1000 Lbf In) are included, 1/2", 3/4" and larger rundown kits are available but they are optional and priced seperately.

#### MTMDP-XXXX

These instruments are available with 2, 3 or 4 internal transducers and also have a transducer port for connecting an external transducer for ranges over 750 Lbf Ft capacity.

### Features

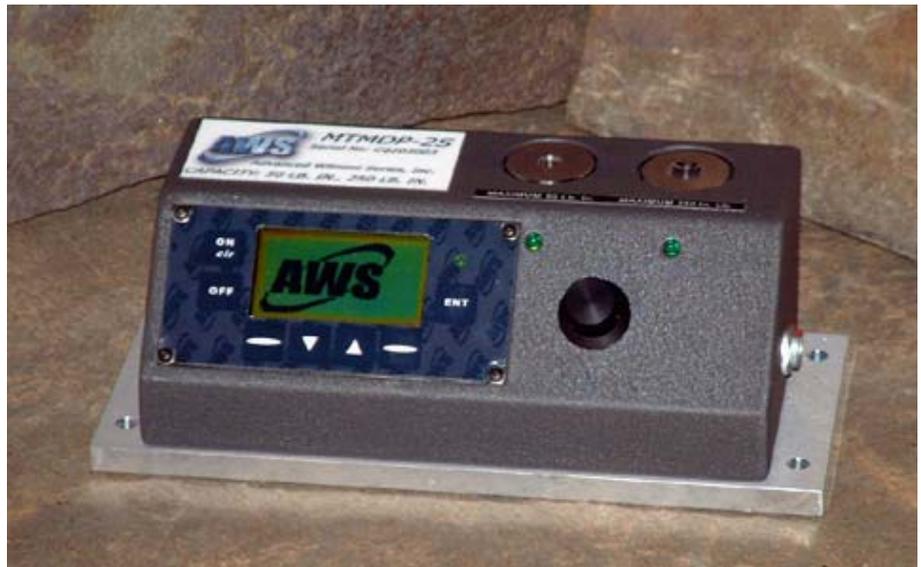
- » System accuracy of  $\pm 0.5\%$  of indicated reading, top 90% of range.
- » Welded steel housing.
- » Designed to facilitate hand or power tool testing.
- » Intuitive User interface.
- » Same feature set as our other AWS instruments; including Peak, First Peak and Track modes, upper and lower limits, memory and serial data output.

### Specifications

Users to specify which torque transducers that they need. The smallest internal transducer is 100 Ozf In - the max internal transducer is 750 Lbf Ft.

<b>Accuracy</b>	0.5% bidirectional
<b>Engineering Units</b>	Eight selectable: Oz.in., Lb.in., Lb.ft., Nm, cNm, KgfcM, gfCm, Kgfm
<b>Modes</b>	Track, Peak, or First Peak
<b>Housing</b>	Welded Steel
<b>Batteries</b>	Rechargeable NiMH batteries provide 10 -12 hours of continuous use
<b>Dimensions</b>	3" x 4.5" x 8.5"
<b>Weight</b>	3.5 lbs. (approx.)
<b>Display</b>	Segmented, Four Active Digits with menus

### AWS MTMDP-2S



The **AWS-MTM** series testers are very popular do to their great value to users. Multiple torque ranges, 2, 3, 4, 5 or more transducers with one display. This unit can provide all the torque trnasducers required in one tool room or calibration lab. Low cost, high quality, ease of use and with the ability to add data management features with the addition of software makes the MTM testers virtually indispensible to many of our customers.

#### Tool and data Management software and templates.

AWS offers several PC software applications for facilitating tools test management and data archiving or printing. Please contact AWS for aid in selecting appropriate software for your application.

The **AWS-MTM testers** with or without a display can be built with the transducers listed below. Both the MTM (no display) and the MTMDP (on board embedded display) can be equipped with 2, 3 or 4 internal transducers.

The MTM-2/MTMDP-2 is supplied with an external transducer connection standard. This external transducer port is available as an option for the MTM-3/MTMDP-3 and MTM-4/MTMDP-4.

The MTM models are designated as S or L denoting size or largest transducer capacity. A user can "mix & match" any 2, 3 or 4 transducer sizes that are within the specific model capacity.

The MTM-2S, MTMDP-2S, MTM-3S, MTMDP-3S, MTM-4S, MTMDP-4S limits the maximum internal transducer capacity to 1000 Lbf In. Any "mix" of transducers at or under 1000 Lbf In can be ordered.  
Part Number Example; MTMDP-2S IO-100, I-50

The MTM-2L, MTMDP-2L, MTM-3L, MTMDP-3L, MTM-4L, MTMDP-4L limits the maximum internal transducer capacity to 750 Lbf Ft. Any "mix" of transducers at or under 750 Lbf Ft can be ordered.  
Part nNumber Example; MTMDP-4L I-50, I-500, F-150, F-750.

The external transducer port can support any size/capacity transducer that we manufacture - from 10 Ozf In to 50,000 Lbf Ft.

AWS MTMDP-2S



AWS MTMDP-4L



IO-100	10-100 Ozf In	1/4" Sq
I-10	1-10 Lbf In	1/4" Sq
I-25	2.5-25 Lbf In	1/4" Sq
I-50	5-50 Lbf In	1/4" Sq
I-100	10-100 Lbf In	1/4" Sq
I-250	25-250 Lbf In	1/4" Sq
I-500	50-500 Lbf In	3/8" Sq
F-100	10-100 Lbf Ft	1/2" Sq
F-150	15-150 Lbf Ft	1/2" Sq
F-250	25-250 Lbf Ft	1/2" Sq
F-600	60-600 Lbf Ft	3/4" Sq
F-750	75-750 Lbf Ft	3/4" Sq