



Advanced Witness Series, Inc.

AWS-MTM series torque wrench loaders

The **AWS-MTM style torque wrench loaders** are used in conjunction with AWS-MTM, AWS-QC, AWS-QCM and any of our transducers that are mounted in bench stands. These systems provide accuracies up to $\pm 0.25\%$ of indicated reading, satisfying metrology lab requirements while its robust design enables use in the harshest environments.

The optional rolling cart provides a sturdy base as well as secure storage for transducers, adapters, and tools. The cabinet features heavy duty casters, locking wheels and cabinets with keylock security.

Intellect Series Transducers

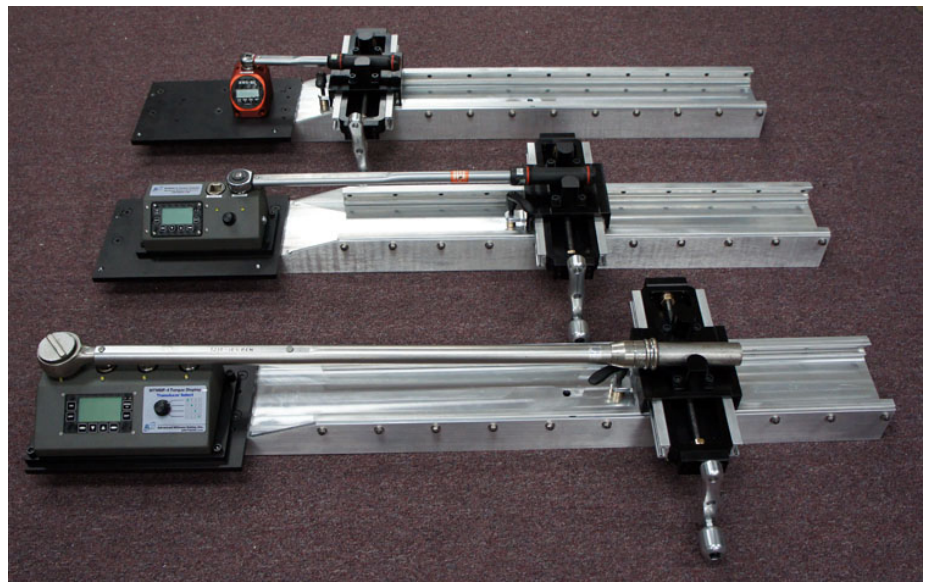
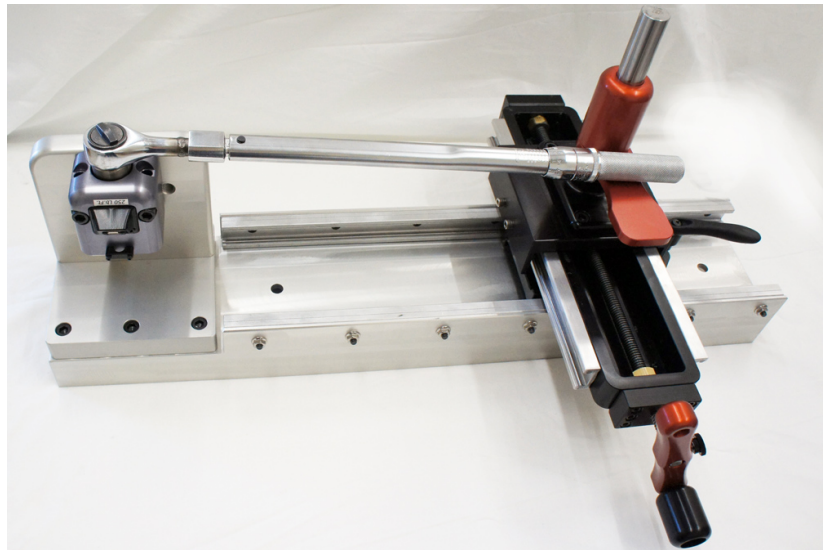
AWS offers a complete line of Intellect Series static torque transducers to cover a range from 0.5 Oz.in. through 2,000 Lb.ft. These torque transducers maintain their own calibration data stored in the housing. The range and calibration information is read directly when the transducer is connected to the the AWS-4050, Tools v2 or the AWS-MTM displays.

Features

- » System accuracy of $\pm 0.25\%$ of indicated reading
- » Solid machined aluminum base for stability
- » Heavy Duty gearbox provides rotation of transducer
- » Shaped handles for improved grip
- » Wrench reaction slide for ease of adjustment for torque wrench handle length

Specifications of Testers/Displays

Accuracy	Better than $\pm 0.5\%$ bidirectional
Engineering Units	Eight selectable: Oz.in., Lb.in., Lb.ft., Nm, cNm, KgFcm, gfcm, Kgfm
Modes	Track, Peak, or First Peak
Housing	Heavy Duty Aluminum
Batteries	Rechargeable NiMH batteries provide 10 -12 hours of continuous use
Dimensions	Various
Weight	Various
	Segmented, Four Active Digits with menus



AWS-MTM Series

Model	Description	Capacity	Size (inches)*
AWS-1025	Manual loader	250 Lb.ft.	12" x 12 x 30"
AWS-1075	Manual loader	750 Lb.ft.	12" x 16" x 66"
AWS-11000	Manual loader	1,000 Lb.ft.	12" x 24" x 72"

* All sizes listed by H x D x L

AWS-1000 Series: Options

Model	Description
AWS-100-10	Motorized Option, inc motor, controller, display
AWS-1000-50	Rolling Cabinet
AWS-Offset React	Offset reaction plate to move reaction closer to instrument/transducer
AWS-Tombstone	Adapter plate for transducers and QC instruments
AWS-MTM plate	Adapter plate for MTM instruments

* All sizes listed by H x D x L

AWS instrument choices for the MTM style loaders include;

- AWS-QC Single transducer and display in a machined aluminum housing +/- 1% Ind.
- AWS-QCM Single transducer and display in a machined aluminum housing +/- 0.25% Ind.
- AWS-3000 Single transducer with display metal housing +/- 0.5% Ind
- AWS-MTM Multiple transducers and single display in a metal housing +/- 0.5% Ind
- AWS-4050 Portable display will work with any Intellect bench stand transducer 0.5% Ind
- AWS-8000-10 Touch screen analyzer display will work with any digital transducer +/- 0.5% Ind
- Tools v2 Application will work with any AWS display and will allow users PC to become the analyzer/display. Additionally Tools v2 provides tool management and calibration certificate printing and archiving.

Different analyzer displays, instruments and transducers will require the specific adapter plate designed for use with the MTM style loaders. Please inquire of our customer service and sales staff to make sure adapter plates are paired with transducer and instruments choices.

Distributed by:
 Practical Tools Inc. 905-727-0014 / 888-847-8880 email: practicaltools@bellnet.ca

A note about AWS

AWS is a quality-focused company that designs every product from the ground-up to maximize accuracy and reliability. We do not design products to simply get a reading; we design products to get an **accurate and reliable** reading, and every component we use reflects this. We do NOT buy pre-designed general purpose sensor circuits like many companies do — every circuit board we sell is designed in-house for their specific purpose. We don't use analog amplification of the sensor output (which can lead to adjustment and noise issues); we use special high-quality sensor chips that measure the millivolt-level signals directly.

ADVANCED WITNESS SERIES, INC. products are warranted free of defects in material and workmanship for a period of one (1) year from date of shipment. This warranty does not include failures due to application of torque to transducers or loaders beyond the stated capacity, operating system with a damaged transducer cord, nor any other misuse, abuse, or tampering. When used with impact type wrenches, the warranty is limited to the electronic digital display units only. This warranty does not cover calibrations. All freight charges are the responsibility of the company or individual returning the item(s) for repair. Freight collect shipments will not be accepted. Any modification to any of this equipment, without the express written approval of ADVANCED WITNESS SERIES, INC. will void this warranty. ADVANCED WITNESS SERIES, INC disclaims any and all liability, obligation or responsibility for the modified product; and any claims, demands or causes of action for damage or for personal injuries resulting from the modification and/or use of such a modified ADVANCED WITNESS SERIES, INC. product.

