



Advanced Witness Series, Inc.

AWS-8000 Series desktop torque instruments

The AWS-8000 instruments, feature high resolution touch screen display with 32 GB of memory for file and data archiving. Single or multiple digital transducer inputs and single or dual channel options. System accuracy of 0.5% indicated reading for top 90% of transducer range.

Software, Our team has developed a firmware and software that facilitate the testing, archiving and printing of tool tests, tool capability studies and tool calibration and certifications.

Transducers and Rundown Fixtures

1/4", 3/8", 1/2" 3/4", 1" and 1 1/2" square drive digital transducers, from 100 Ozf In to 10,000 Lbf Ft are available. Order transducers an rundown fixtures as needed.

8000 & 8000-10 instruments, AWS offers two different instrument sizes, a 7" and a 10" touch screen display analyzer.

Features

- » System accuracy of $\pm 0.5\%$ of indicated reading, top 90% of range.
- » Solid machined billet aluminum housing.
- » Designed to facilitate plug and play, self recognizing transducers.
- » Intuitive Touch screen User interface.
- » Same feature set as our other AWS instruments; including Peak, First Peak and Track modes, upper and lower limits, memory and data output.

Specifications

Accuracy	0.5% bidirectional	
Engineering Units	Eight selectable: Oz.in., Lb.in., Lb.ft., Nm, cNm, KgCm, gfCm, Kgfm	
Modes	Track, Peak, or First Peak	
Housing	Heavy Duty Aluminum	
Batteries	Rechargeable Li batteries provide 10 -12 hours of continuous use	
Dimensions	AWS-8000	1" x 5.25" x 8"
	AWS-8000-10	1" x 7.5" x 13"
Weight	AWS-8000	1.5 lbs.
Display	High Resolution Touchscreen	



AWS-8000-10



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-8000 series display/analyzers are our latest torque instruments. They were designed in partnership with our users to facilitate tool and process validation as well as tool calibration and certification. The firmware and optional software allow for creating and archiving files in a relational database with import/export capability. The ease of use, high quality, portability and dual channel capability with the ability of data management makes the AWS-8000 Series virtually indispensable to many of our customers.

The AWS-8000 series display/analyzers connect with digital transducers, all of our transducers can be configured as digital, when ordering add a "D" in the part number. Example ITID-XXX. Digital transducer cable part number is ICBL-8000DIG

AWS Stationary transducers with bench stands

Model	Part Number	Capacity	Sq drive	Size (inches)*	Size (millimeters)*
AWS-ITIO-XXX	ITIO-10	1-10 Ozf In	1/4" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
	ITIO-50	5-50 Ozf In	1/4" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
	ITIO-100	10-100 Ozf In	1/4" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
AWS-ITI-XXX	ITI-10	1-10 Lbf In	1/4" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
	ITI-25	2.5-25 Lbf In	1/4" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
	ITI-50	5-50 Lbf In	1/4" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
	ITI-100	10-100 Lbf In	1/4" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
AWS-ITF-XXX	ITF-100	10-100 Lbf Ft	1/2" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
	ITF-150	15-150 Lbf Ft	1/2" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
	ITF-250	25-250 Lbf Ft	1/2" Sq	2.925 x 3.125 x 2.25	79.4 x 74.3 x 57.15
	ITF-600	60-600 Lbf Ft	3/4" Sq	4.250 x 4.650 x 2.75	108 x 118 x 69.85
AWS-ITF-XXX	ITF-750	75-750 Lbf Ft	3/4" Sq	4.250 x 4.650 x 2.75	108 x 118 x 69.85
	ITF-1000	100-1000 Lbf Ft	1" Sq	4.250 x 4.650 x 2.75	108 x 118 x 69.85
	ITF-2000	200-2000 Lbf Ft	1" Sq	4.250 x 4.650 x 2.75	108 x 118 x 69.85

* All sizes listed by W x D x H

Common Accessories: Rundown fixtures and cables

Model	Part No.	Description	SQ Drive	Hex test bolt
AWS-RDIOA-XXX	RDIOA-200	200 Ozf In rundown fixture	1/4" Sq Drive	1/4" x 20" 3/16" hex
AWS-RDIA-XXX	RDIA-150	150 Lbf In rundown fixture	1/4" Sq Drive	1/4" x 20" 3/16" hex
AWS-RDIA-XXX	RDIA-500	500 Lbf In rundown fixture	3/8" Sq Drive	3/8" x 16" 5/16" hex
AWS-RDFA-XXX	RDFA-250	250 Lbf Ft rundown fixture	1/2" Sq Drive	5/8" x 18" 1/2" hex
AWS-ICBL-USB	ICBL-USB	Serial communication cable 2.5 mm x USB		
AWS-CBL-RS232	CBL-232	Serial communication cable 2.5mm x DB 9		
AWS-ICBL-5000L		Transducer cable Lemo x Lemo		

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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.

