



Advanced Witness Series, Inc.

AWS-ICI & AWS-ICF inline torque testers

The **AWS-IC testers**, have a system accuracy of +/- 1% indicated reading for top 90% of tester range. These instruments are well suited for hand or power tool validation or certification. Rundown fixtures are available for power tool testing.

The creative inline design of the instrument provides for easy connection to a tool and driven socket while displaying the torque readings on the display. Our IC instruments are self contained; transducer, analyzer, display with memory, power supply, battery and serial output.

As illustrated the torque tool connects to one end of the transducer and the other end is connected to a socket or fixture for creating torsional strain on the transducer.

The torque range of ICI instruments is from 50 Lbf In full scale to 10,000 Lbf Ft full scale.

Features

- » System accuracy of $\pm 0.1\%$ of indicated reading, top 90% of range.
- » Safety Overload 150% Full Scale.
- » 999 data memory with serial output.
- » Solid machined billet aluminum housing.
- » Designed to facilitate calibration or verification of torque tools.
- » 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

Accuracy	1% 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	3.125" x 3.25" x 3.75"
Weight	2.5 lbs. (approx.)
Display	Segmented, Four Active Digits with menus



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-IC series testers are a continuation of our QC series testers. Low cost, great accuracy, high quality, ease of use and with the ability to add data management features with the addition of software makes the QC testers virtually indispensable to many of our customers.

AWS-IC Series - +/-1% of reading, top 90% of range

Model	Description and Capacity	Sq drive	Size (inches)*
ICI-50	50 Lbf. In. Inline Transducer with display	1/4"	4" x 2.5"
ICI-100	100 Lbf. In. Inline Transducer with display	1/4"	4" x 2.5"
ICI-250	250 Lbf. In. Inline Transducer with display	3/8"	4.5" x 3
ICI-500	500 Lbf. In. Inline Transducer with display	3/8"	4.5" x 3
ICF-100	100 Lbf. Ft. Inline Transducer with display	1/2"	4.5" x 3
ICF-150	150 Lbf. Ft. Inline Transducer with display	1/2"	4.5" x 3
ICF-250	250 Lbf. Ft. Inline Transducer with display	1/2"	5" x 3"
ICF-500	500 Lbf. Ft. Inline Transducer with display	3/4"	5" x 3"
ICF-600	600 Lbf. Ft. Inline Transducer with display	3/4"	5" x 3"
ICF-750	750 Lbf. Ft. Inline Transducer with display	3/4"	5" x 3"
ICF-1000	1000 Lbf. Ft. Inline Transducer with display	1"	5" x 3"
ICF-2000	2000 Lbf. Ft. Inline Transducer with display	1"	7" x 4.5"
ICF-2000-1.5	2000 Lbf. Ft. Inline Transducer with display	1" F x 1 1/2" M	7" x 4.5"
ICF-2500	2500 Lbf. Ft. Inline Transducer with display	1 1/2"	7" x 4.5"
ICF-3000	3000 Lbf. Ft. Inline Transducer with display	1 1/2"	7" x 4.5"
ICF-5000	5000 Lbf. Ft. Inline Transducer with display	1 1/2"	8" x 5"
ICF-6000	6000 Lbf. Ft. Inline Transducer with display	1 1/2"	8" x 4."
ICF-10000	10000 Lbf. Ft. Inline Transducer with display	2 1/2"	8" x 4."

Accessories

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		

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.

