



**Advanced Witness
Series, Inc.**

AWS-QC

desktop torque testers

The AWS-QC testers, have a system accuracy of 1% indicated reading for top 90% of tester range. This entry level torque tester is well suited for hand or power tool validation. Rundown fixtures are provided for power tool testing.

The creative design of the housing provides for vertical or horizontal tool testing. The range of QC tester models is from 50 Ozf In full scale to models in excess of 1000 Lbf Ft full scale.

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 separately.

Features

- » System accuracy of $\pm 1\%$ of indicated reading, top 90% of range.
- » Solid machined billet aluminum housing.
- » Designed to facilitate vertical or horizontal 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

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-QC series testers are our most popular entry level tester due to their great value to users. Low cost, 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-QC Series - Rugged 1% of reading Quick Check Testers

Model	Part Number	Capacity	Sq drive	Size (inches)*	Size (millimeters)*
AWS-QCIO-XXX	QCIO-50	5-50 Ozf In	1/4" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCIO-100	10-100 Ozf In	1/4" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCIO-200	20-200 Ozf In	1/4" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
AWS-QCI-XXX	QCI-10	1-10 Lbf In	1/4" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCI-25	2.5-25 Lbf In	1/4" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCI-50	5-50 Lbf In	1/4" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCI-100	10-100 Lbf In	1/4" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCI-150	15-150 Lbf In	1/4" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCI-250	25-250 Lbf In	3/8" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCI-500	50-500 Lbf In	3/8" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCI-750	75-750 Lbf In	3/8" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCI-1000	100-1000 Lbf In	3/8" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
AWS-QCF-XXX	QCF-100	10-100 Lbf Ft	1/2" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCF-150	15-150 Lbf Ft	1/2" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCF-250	25-250 Lbf Ft	1/2" Sq	3.125 x 3.25 x 3.75	79.4 x 82.5 x 95.25
	QCF-500	50-500 Lbf Ft	3/4" Sq	4.25 x 4.65 x 4.00	108 x 118 x 101.6
	QCF-600	60-600 Lbf Ft	3/4" Sq	4.25 x 4.65 x 4.00	108 x 118 x 101.6
	QCF-750	75-750 Lbf Ft	3/4" Sq	4.25 x 4.65 x 4.00	108 x 118 x 101.6
	QCF-1000	100-1000 Lbf Ft	1" Sq	4.25 x 4.65 x 4.00	108 x 118 x 101.6

* All sizes listed by W x D x H

AWS-QC Series : 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.

