



STWCS

Super Torque Wrench Calibration System

LSI's Super Torque Wrench Calibration System is one of the most flexible and easy-to-use torque tool testers available. Our state-of-the-art torque wrench calibrator has many features, of which the most notable is torque cartridge (load cell) interchangeability, allowing a single tester to utilize many different load ranges.

Standard Features:

- Accuracy better than $\pm 0.2\%$ of reading from 10-100% full scale
- Interchangeable torque cartridges
- Built-in 1,800 test point data logger
- RS 232 capability
- Rechargeable NiCad battery
- Torque wrench calibration certificate printout
- Up to 260 ft-lb capacity
- Tracking / peak / first peak modes
- NIST traceable calibration
- Clockwise / counterclockwise operation
- Vertical / horizontal mounting
- Push button English / metric units
- 12 month warranty
- Shunt calibration verification
- Digital calibration and linearization
- Push button torque zeroing
- Backlit LED display
- Rugged cast aluminum housing

Options:

- Easy Loader Attachment
- Additional torque cartridges

The STWCS digital control panel features convenient push button zeroing as well as easy switching between test modes, measurement units, access to digital calibration, linearization and other features such as a user programmable force filter.

Certify Your Torque Tools!

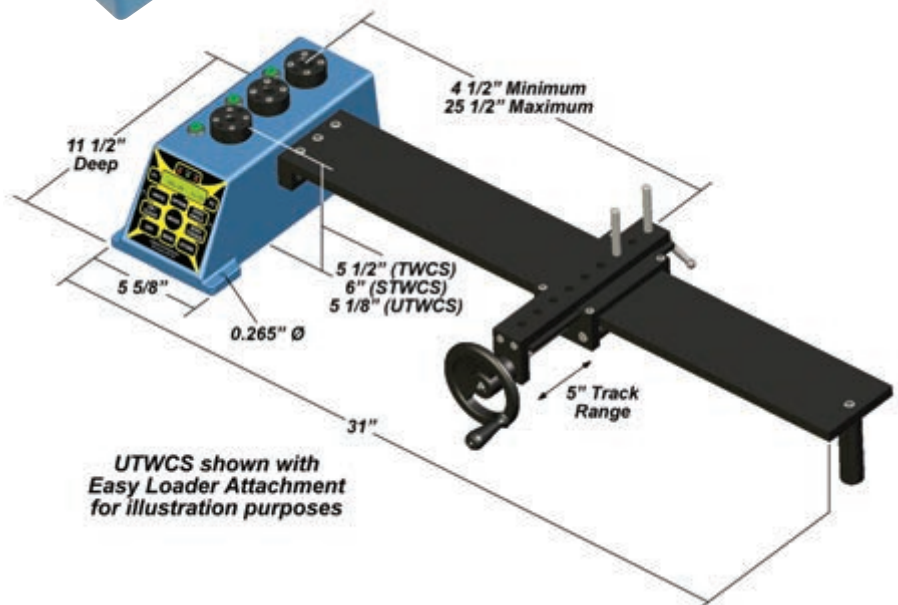
The STWCS is capable of certifying your torque tool per ISO 6789. The included user manual has detailed step-by-step instructions to let you print a certificate for your torque tool!

Certification Steps:

- Determine torque tool class
- Determine wrench tolerance
- Calculate number of measuring points (20%, 60%, 100%)
- Determine repetitions based on torque tool
- Setup STWCS test parameters
- Place torque tool on STWCS
- Zero torque
- Follow on-screen directions
- Certificate prints out automatically



The STWCS can be mounted horizontally or vertically



UTWCS shown with Easy Loader Attachment for illustration purposes



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Torque Specifications

7 Torque Cartridges Available

Part No.	Capacity	Resolution
 <p>STWCS 3 in-lb 050-0000-0105-00 025-0000-0481-00</p>	3 in-lb	0.0002 in-lb
	0.25 ft-lb	0.00002 ft-lb
	3 kg-cm	0.0002 kg-cm
	0.03 kg-M	0.000002 kg-M
	0.34 N-M	0.00002 N-M
 <p>STWCS 25 in-lb 050-0000-0105-00 025-0000-0481-01</p>	25 in-lb	0.002 in-lb
	2 ft-lb	0.0002 ft-lb
	29 kg-cm	0.002 kg-cm
	0.29 kg-M	0.00002 kg-M
	2.8 N-M	0.0002 N-M
 <p>STWCS 100 in-lb 050-0000-0105-00 025-0000-0410-01</p>	100 in-lb	0.01 in-lb
	8 ft-lb	0.001 ft-lb
	115 kg-cm	0.01 kg-cm
	1.15 kg-M	0.0001 kg-M
	11 N-M	0.002 N-M
 <p>STWCS 200 in-lb 050-0000-0105-00 025-0000-0410-02</p>	200 in-lb	0.02 in-lb
	16 ft-lb	0.002 ft-lb
	230 kg-cm	0.02 kg-cm
	2.3 kg-M	0.0002 kg-M
	22 N-M	0.002 N-M
 <p>STWCS 500 in-lb 050-0000-0105-00 025-0000-0410-03</p>	500 in-lb	0.05 in-lb
	40 ft-lb	0.005 ft-lb
	580 kg-cm	0.05 kg-cm
	5.8 kg-M	0.0005 kg-M
	60 N-M	0.005 N-M
 <p>STWCS 108 ft-lb 050-0000-0105-00 025-0000-0410-04</p>	108 ft-lb	0.01 ft-lb
	1,300 in-lb	0.1 in-lb
	1,500 kg-cm	0.1 kg-cm
	15 kg-M	0.001 kg-M
	145 N-M	0.01 N-M
 <p>STWCS 260 ft-lb 050-0000-0105-00 025-0000-0410-05</p>	260 ft-lb	0.02 ft-lb
	3,100 in-lb	0.2 in-lb
	3,570 kg-cm	0.2 kg-cm
	35 kg-M	0.002 kg-M
	350 N-M	0.02 N-M

Accuracy is better than $\pm 0.2\%$



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