

32-1063 REV 0



Series ST Torque Tool Testers present a simple, yet accurate solution for testing torque screwdrivers, wrenches, and other tools. Applications exist in manufacturing facilities in virtually every industry. The ST features a solid aluminum housing, making it rugged enough for many years of service in production or laboratory use, while a universal receptacle with square drive and grooves accepts common bits and attachments. The ST captures peak torque in both clockwise and counterclockwise directions.

Features

Universal receptacle	Accepts many types of torque tools and fixtures
Peak memory	For clockwise and counterclockwise torque
Selectable units of measurement	Measure in lbFin, kgFmm, or Ncm
Data outputs	RS-232 and Mitutoyo (Digimatic)
Push-button	Simple and quick calibration procedure
calibration	

Specifications

Accuracy:	±0.5% of full scale ±1 digit
Sampling Rate:	65 readings/s
Display Rate:	2.5 updates/s in normal mode / 65 updates/s in peak mode
Power:	AC or non-rechargeable 9V battery, with Intelligent Power Management System (IPM). IPM warns the user via a "LO BAT" indicator and then will power off the gauge.
Battery Life:	30 hours of continuous use
Selectable units of measurement:	lbFin, kgFmm, Ncm
Outputs:	Optional
RS-232	Fully configurable up to 9600 baud
Mitutoyo (Digimatic)	Serial BCD suitable for all Mitutoyo SPC-compatible devices
Safe overload:	150% of full scale (display shows "----" at 110% and above)
Weight:	4.8 lb [2.2 kg]
Environmental Requirements:	40° F - 100° F [5° C - 45° C], <96% humidity (non-condensating)
Thermal effects:	Zero: 0.03% of full scale/°C, Span: 0.01% of full scale/°C
Housing construction:	Aluminum
Warranty	3 years (see individual statement for further details)

Optional Equipment

Bench mounting bracket ST001	Allows the ST to be mounted securely on a bench.
Output cables	Choice of RS-232 and Mitutoyo data output cables are available



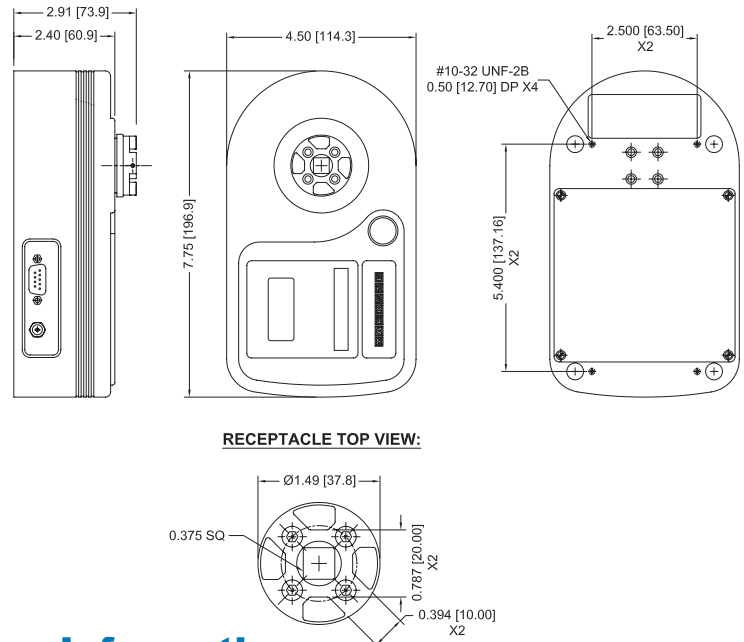
Simply place the torque tool into the universal receptacle and twist. The readout will show the torque value in the clockwise or counterclockwise direction.



Optional bench mounting bracket

Dimensions

in [mm]



RECEPTACLE TOP VIEW:

Ordering Information

Model No.	Capacity x Resolution
ST12	12 x 0.01 lbFin, 140 x 0.1 kgFmm, 135 x 0.1 Ncm, 110V
ST50	50 x 0.05 lbFin, 580 x 0.5 kgFmm, 570 x 0.5 Ncm, 110V
ST100	100 x 0.1 lbFin, 1150 x 1 kgFmm, 1150 x 1 Ncm, 110V
ST001	Bench mounting bracket for ST

For 220V operation, add suffix E to model number. Example: ST50E