

# Rechargeable Digital Torque Tester/Screwdrivers

Models: DID-05, DID-4A Improved Model

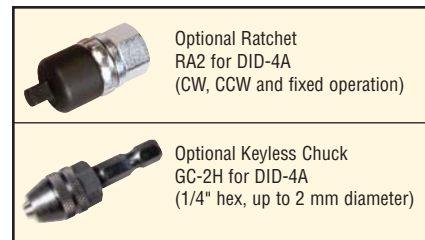


- Runs on internal batteries (8 hour use) Auto shut-off after 10 min. of non-use
- Programmable High/Low setpoints with both audible beep and Green/Red LED indicator for uniform torque tightening or GO/NO GO testing
- Peak, Real Time, Peak Down or Continuous Output modes (selectable)
- Selectable units ozf-in, lbf-in, kgf-cm, N-cm and N-m
- USB virtual COM port sends peak (1 data) and continuous data (12 or 180 data/second)
- 800 data memory for recall with statistics (number of data, Max, Min, Avg) or for SPC download
- Programmable screw tightening counter
- Programmable Auto Zero function resets unit to zero for easy operation
- Ergonomic and light weight, yet ruggedly constructed
- DID-05 includes 4mm stepless CW one-way clutch, 4mm locking half round Phillips tip, full round Phillips tip, AC charger and carrying case
- DID-4A with 1/4" square drive includes 1/4" female square to 1/4" hex adapter, 2-1/4" Phillips tips, AC charger and carrying case. Optional ratchet (CW, CCW and fixed operation) and optional keyless chuck (up to 2 mm dia.) available



**DID Digital Torque Tester Ranges** Accuracy  $\pm 0.5\%$  F.S.,  $\pm 1$  LSD

Model	Capacity				
	ozf-in	lbf-in	kgf-cm	N-cm	N-m
DID-05	0.20~69.50	0.020~4.500	0.020~5.000	0.20~50.00	—
DID-4A	2.0~560.0	0.20~35.00	0.20~40.00	2.0~400.0	0.020~4.000

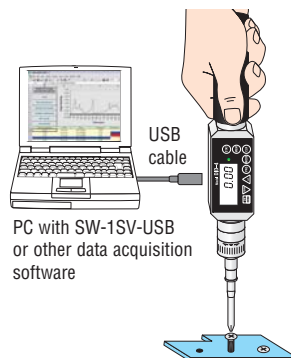


DID digital torque screwdrivers feature an integral LCD display for convenient torque readings. The units are designed for screw tightening torque verification and measures in Peak, Real Time, Peak Down and Continuous Output measuring modes (selectable).

They have an accuracy of  $\pm 0.5\%$  F.S.,  $\pm 1$  LSD and programmable setpoints that provide both an audible beep and green/red LED indicator for uniform tightening or GO/NO GO testing. In addition, they feature a programmable counter that minimizes assembly errors by identifying mis-tightening and/or defective screws. Use the 800 internal memory for data recall or USB virtual COM port to download for SPC.

DID digital torque tester substantially reduce scrap and rework costs by eliminating over and under-tightening and is ideal for use in a wide variety of applications including the manufacture of electronic, appliance and aerospace assemblies.

DID models are sold in kits which include the tester/screwdriver, tips, AC adapter/charger and carrying case.





**FORCE & TORQUE MEASUREMENT**  
ISO 9001 & ISO/IEC 17025 ACCREDITED

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# Drive-Centered Digital Torque Tester/Wrench

**Models: DIW-4W,15, 20, 75, 120**

**Drive-Centered Torque Sensor** apply load anywhere on the tester, not just the load point, and achieve consistent results

**Rechargeable** internal NiMH batteries (8 hour use) and AC Adapter

**Ultra Accurate**  $\pm 0.5\%$  F.S.,  $\pm 1$  LSD

**300° Rotating Head** adjusts viewing angle

**800 Data Memory** recall data on the display or download

**Output Data** USB virtual COM port sends peak (1 data) or continuous data (12 or 180 data/second)

- Programmable High/Low setpoints with audible beep and LED indicator
- Peak, Real Time, Breakaway and Continuous Output modes
- Selectable units: lbf-in, kgf-cm, N-cm and N-m
- Statistics: number of data, Max, Min, Avg
- Screw Tightening Counter
- Auto Zero Reset, Auto Shutoff
- Kit includes carrying case and AC adapter/charger (CW one-way clutch is included with DIW-4W/15/20 and available as a separate item for DIW-75 and DIW-120).

**Digital Torque Tester Ranges** Accuracy  $\pm 0.5\%$  F.S.,  $\pm 1$  LSD

Model	Drive	Capacity					
		ozf-in	lbf-in	lbf-ft	kgf-cm	N-cm	N-m
DIW-4W	1/4"	2.0~560.0	0.20~35.00	—	0.20~40.00	2.0~400.0	0.20~4.000
DIW-15	1/4"	—	2.0~130.0	—	2.0~150.0	20~1500	0.20~15.00
DIW-20	3/8"	—	2.0~174.0	—	2.0~200.0	20~2000	0.20~20.00
DIW-75	3/8"	—	2.0 ~ 651.0	—	2.0~750.0	20~7500	0.20~75.00
DIW-120	1/2"	—	20 ~ 1040	2.0~87.0	20~1200	—	2.0~120.0

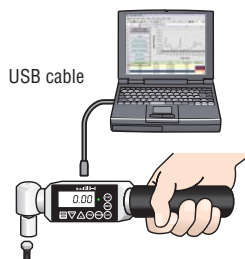
DIW Series digital torque tester/wrenches tighten and loosen bolts to evaluate proper tightening torque up to 1040 lbf-in. Torque-controlled wrenches can be evaluated by comparing torque on a given fastener using a breakaway test.

DIW testers are  $\pm 0.5\%$ ,  $\pm 1$  LSD, F.S. ultra-accurate and have High/Low programmable setpoints for uniform tightening or Go/No Go testing.

Peak and continuous data can be downloaded via the USB virtual COM port. The unique head rotates 300° for convenient viewing of the display.

The testers are rugged enough to be used in production environments and powered by rechargeable NiMH batteries and included AC adapter/charger.

PC with SW-1SV-USB or other data acquisition software



Specifications subject to change without notice.

**Wireless Version Available**



## Drive-Centered Torque Sensor Apply Load Anywhere on the Wrench



Unlike load point sensitive torque wrenches, the drive-centered torque sensor delivers consistent readings no matter where the wrench is gripped and load applied. Extend any length for easier torquing and readings remain consistent because the torque sensor is centered on the drive instead of in the handle.

## Wrench Head Rotates 300°



## Optional Quick Spinners and Adapters

Quick Spinners and Spinner/Converters allow users to rundown fasteners with their fingers before torquing. Spinner/converters change the drive size, have a lower profile compared with conventional socket adapters and are magnetic so they stay on the wrench.

- A BAE23 converts 1/4" to 3/8" drive
- B BAE34 converts 3/8" to 1/2" drive
- C BE2-Q 1/4" to 1/4" Quick Spinner
- BE3-Q 3/8" to 3/8" Quick Spinner
- BE4-Q 1/2" to 1/2" Quick Spinner

