



FORCE & TORQUE MEASUREMENT
ISO 9001 Registered & ISO/IEC 17025 Accredited

CALL TOLL FREE **1-866-759-9177**

i-80 Torque Calibrator for Electric Drivers

69.70 lbf-in Capacity

Torque Calibrators for Power Drives & Wrenches

Standard Features

- Wide measuring range up to 70 lbf-in
- Selectable units lbf-in, Kgf-cm, N-cm and N-m
- Programmable High/Low setpoints with audible beep for uniform torque tightening or GO/NO GO testing
- 2 – driver adapters included: i-80 comes with smart adapters
- Peak, Real Time and Peak Down measuring modes (selectable)
- Measure both clockwise and counterclockwise
- USB virtual COM port sends peak (1 data) or continuous data (12 or 180 data/second)
- Statistics: number of data, Max, Min, Avg
- Heavy-duty metal construction
- Runs on internal NiMH batteries or AC adapter
- 3/8" drive for socket wrenches

The Cedar i-80 torque calibrator measures the peak torque non-impact electric/air drivers apply to a screw. Under tightened bolts and screws do not generate sufficient clamp force and can lead to loosening and assembly failure. Over tightening, past the yield point, permanently deforms the screw joint and can also lead to failure which is why proper tightening torque is so important. Manual torque wrenches can also be calibrated.

Unique Smart Adapters

The unique Smart Adapters simulate the screw joint and do not need to be backed-off after each test. This features increases testing efficiency and ease of use by reducing the time between each test. Results can be downloaded through the USB port for analysis with data acquisition software. The Series i torque calibrators are compatible with Imada's SW-1SV-USB software.

The peak torque or peak down torque in breakaway tests is captured automatically. The Cedar Series i torque calibrator displays Max, Min and Avg statistics. The tester can read values in lbf-in, kgf-cm, N-cm and N-m.

What's Included

All series i torque testers are sold in kit form complete with tester, hard carrying case, 2 driver adapters and AC charger/adaptor. All testers come with a 3-Point Certificate traceable to NIST. ISO Certificates are available at an additional charge.

Do not use with impact or air tools (Ask for DI-1M impact wrench torque tester).



RANGES

Accuracy: $\pm 0.5\%$ F.S. ± 1 LSD

<u>Model</u>	<u>Capacity</u>		
	lbf-in	kgf-cm	N-cm
i-8	0.020~6.970 (0.001)	0.020~8.000 (0.001)	0.20~78.60 (0.01)
			N-m
			-

SPECIFICATIONS - DRIVER ADAPTERS

Specifications - Driver Adapters (English)

[More Ranges ►](#)

	<u>Adapter</u>	<u>Model</u>	<u>Range lbf-in</u>	<u>Top Screw</u>	<u>Operational life</u>
i-8	Smart	OW-025E OW-10E	2 9	6-32 6-32	10,000 hrs 8,000 hrs
i-80	Smart	OW-20E OW-60E	18 53	8-32 1/4-20	5,000 hrs 5,000 hrs
CD-150M	Spring	SJ-50E SJ-120E	8~50 50~175	5/16-18 3/8-16	2,500 uses 2,500 uses
DI-25	Spring	SJ-50E SJ-200E	8~50 50~175	5/16-18 3/8-16	2,500 uses 2,500 uses

CUBE ADAPTERS

Cube Adapters have five different thread sizes.

QA-2	QA-3
M2.6	M4
M3	M5
M4	M6
M5	M8
M6	M10

DIMENSIONS