

Electronic Torque Wrenches

Digital Dial Torque Wrench



Digital Torque Wrench with Rotary LCD

Highest accuracy torque wrench available (calibrate up to .5%). Non length dependent design means the wrench remains accurate no matter where you apply the force.

Patented rotary display lets you read the LCD at any angle from any side. Three Units of measure Ft.lb., In.Lb.,Nm. Two modes of operation: Track and Peak hold. Super fast 2500 samples per second mean you can pull on the wrench as fast as you want and retain accuracy.

Quick target torque setting for PASS/FAIL prompting. Target torque Pass/Fail "zone" can be set from +/-1% to +/-10% of target torque value. When the torque reached by the wrench is under the target zone you get a yellow light. When the torque reached by the wrench is within the target zone you get a green light and a buzzer (PASS). When the torque reached by the wrench is over the target zone you get a red light and intermittent buzzer. Target torque is quickly set with one button. Runs on standard 9 volt battery. Up to 50 hours operation. Software contrast control for all temperature conditions.

2000 ft.lb. version comes with t-bar extensions and can be used as a torque multiplier tester/input device.

RS232 and 9 volt internal NiMH charging circuit with 110volt power adapter a combined option add "-P" to part number.

DB9 connector and cable included with option.

All wrenches supplied in a blow molded plastic box except 2000ft.lb. wrench.

Wrenches supplied with NIST traceable calibration certification to 1% IV but can be calibrated to .5% IV.

"-P" models supplied with RS232 output and 110 volt transformer



RS232 Output Example:

+015.1	ft-lbs	+040.0	2%	Low
Measured Torque		Torque Setting	Tolerance (set from 1-10%)	Result (Low,Pass,High)

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Digital Dial Specifications

**Accuracy:**

+/-1% I.V. from 10-100% of full scale +/- 1 increment

Display:

1/2" high 4 Digit LCD with software controlled contrast adjustment for cold/hot weather
Patented rotary display for viewing at all angles (no reading upside down digits)

Set Torque Prompting:

Quickly set target torque with plus and minus keys:

Yellow light when applied torque is under tolerance

Green light and buzzer when applied torque is within tolerance

Red light and buzzer when applied torque is over tolerance

Target tolerance setting:

Quickly set target tolerance from 1-10% of torque setting:

ie., Set torque value = 100 ft.lb.

Target tolerance set to 4%

Result:

Yellow light when under 96 ft.lb.

Green light with buzzer when torque is within 96-104 ft.lb.

Red light and continuous buzzer when torque is over 104 ft.lb.

Power

9 Volt standard

9 Volt Nimh rechargeable and 110 volt transformer with "-P" option

Battery Life: Up to 20 hours

Modes of Operation:

Track Mode (display tracks up and down as torque is applied)

Peak Hold Mode (display holds the highest torque applied)

Auto Clear Mode (display automatically clears when wrench starts new torque application)

RS232 output (requires -P option):

Wrench sends the following information when the clear key is pressed:

Actual Torque value, Units, Target Torque Setting, Pass/Fail status

*-P option on ED series must be specified when ordering

<u>Part #</u>	<u>Range 1</u>	<u>Range 2</u>	<u>Range 3</u>	<u>Drive</u>	<u>Length</u>	<u>Weight</u>
ED-75I	7.5-75 in.lb.	.85-8.5 Nm	.625-6.25 ft.lb	1/4"	10.3"/270mm	1.6lb/725g
ED-100I	10-100 in.lb.	1-11 Nm	8-8.3 ft.-lb.	1/4"	10.3"/270mm	1.6lb/725g
ED-250I	25-250 in.lb.	3-30 Nm	2.1-21 ft.lb	3/8"	10.3"/270mm	1.6lb/725g
ED-50F	5-50 ft.lb.	60-600 in.lb.	70-70Nm	3/8"	0.3"/270mm	1.6lb/725g
ED-250F	25-250 ft.lb.	35-350 Nm	300-3000 in.lb.	1/2"	22"/560mm	3lb/1.4kg
ED-600F	60-600 ft.lb.	720-7200 in.lb.	81-814 Nm	3/4"	47"	10lb

Other ranges available upon request

Add -P to part number for rechargeable batteries and RS232 output

ALL above part numbers supplied with a blow molded case