

Wireless Digital Torque & Angle Screwdriver – Exacta 1350 TD



The only Wireless Digital Torque & Angle Screwdriver on the Market!

Sturtevant Richmond's Exacta 1350-TD Digital Torque and Angle Screwdrivers bring a new level of torque control and accuracy to your low torque applications. Here is a quick list of features that help make your low torque applications error-free.

Various Modes of Measurement

» T2A – Torque to Angle

First measures the torque and then the angle by which the screw is to be turned further according to the specification. This closely monitored screw elongation produces greater repeat accuracy than torque alone.

» TAM – Torque & Angle Monitoring

Measures torque during sufficient rotation. This helps to detect 'double hits' and changed screw conditions.

» Peak – Peak Torque Value

Pure torque measurement without angle.

Green = OK / Red = NG

On the 1350 TD, the colour shown on the display of the Global 400 or Global 400mp process monitor corresponds to the light band on the tool.

The LED light ring at the front of the torque screwdriver, which is visible from every angle, first turns yellow, then green, an acoustic signal sounds and the handle vibrates when the target torque is reached. The display backlight switches on when torque is applied. Displays the torque and angle values on the screwdriver's digital display.

- ▶ 2 angle modes: Torque to Angle (T2A), Torque and Angle Monitoring (TAM).
- ▶ Peak mode with no angle measurement (PEAK).
- ▶ Comes with two **NiMH** rechargeable batteries. Chargers are sold separately.
- ▶ Up to four tools can work simultaneously with Global 400 or Global 400mp.
- ▶ Robust **XBee** radio 2.4 GHz – 12 broadcast channels to optimize radio connectivity.
- ▶ Drive variants: 1/4" female hexagon or 1/4" male square drive.
- ▶ Password protected.
- ▶ Status display visible all around via LED light ring.
- ▶ Vibrating handle when the target torque and angle values are reached.
- ▶ Units: in-oz, in-lb, ft-lb, cNm, Nm, cmkg (depending on model).
- ▶ Bi-directional Accuracy $\pm 2\%$ Indicated Value from 5% to 100% of tool capacity.
- ▶ Meets/exceeds **ASME B107.300-2010** and **EN ISO 6789**.
- ▶ CE and RoHS compliant.
- ▶ ESD compliant when grounding strap is properly worn.

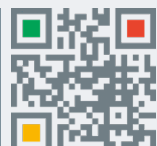
Model TD 80 available in two drive versions:



XBee Radio Technology

INFO

The FM 2.4 GHz wireless modules in Sturtevant Richmond's products are **XBee** wireless modules that operate on the **IEEE 802.15.4** standard. These devices do NOT comply with the ZigBee protocol.



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Traceability and Error Proofing

Provides digital documentation with date and time stamp for every screw connection tightened with our wireless tools.

The 1350-TD is compatible with the Global 400 and Global 400mp torque process monitors/controllers. This is a highly versatile torque driver that will make a big impact in your assemblies. Perfect for lower torque applications when you need accuracy and traceability. Up to four tools can operate simultaneously with the Global 400/400mp.

All torque and angle settings are set using the Global 400 or Global 400mp. Error proofing feature: parameters cannot be set using the buttons on the torque screwdriver. This prevents any inadvertent P-Set changes and protects your assembly process integrity.

You can pair this tool with multiple P-Sets at different torque or torque and angle values because it is a digital tool. This can be used to replace multiple preset tools.

TAM function (Torque and Angle Monitoring) provides you with "double hit" protection. If a fastener reaches torque without the required degrees of rotation the fastener is rejected as non-compliant.

Torque and angle functionality can also alert the operator if a gasket or washer is missing because it detects changing joint conditions.

Flexibility

The female hexagon version, as well as the male square drive version, gives you the flexibility to meet all of your torque driver application needs.

An optional L-handle for the TD-80 and TDM-80 models makes it easier for users to reach the capacity. DO NOT use the L-handle with the TD-100 model. This would overload the tool. Excessive tightening can damage the tool.

Scope of Supply

- Screwdriver Exacta 1350 TD.
- 2x NiMH battery 1.2 Volt AA.
- Blow molded storage case.
- Operating manual.
- Traceable calibration certificate from Sturtevant's ISO/IEC 17025 accredited factory calibration laboratory.

Optional Components

- R10740 – 4-way battery charger
- R10741 – 8-way battery charger
- R10769 – L-handle (for TD/TDM-80 only)
- R21258 – 4x NiMH battery 2100 mAh

Related Products

INFO

- » Controller Global 400
- » Controller Global 400mp

Requires 1 NiMH battery
(2 pcs included in delivery).



Optional: L-handle for the 80 in.lb model available



1350 TD

Model	Item No.	Torque Range *				Length mm	Weight kg	Tool Insert [inch]	
		cN·m	ozf·in	lbf·in	kgf·cm			Hex	SqD
1350 TD 80	R10770	45 - 900	–	4 - 80	–	191	0.23	1/4	–
1350 TDM 80	R10771	45 - 900	–	4 - 80	4.6 - 92	191	0.23	–	1/4
1350 TD 100	R10772	4 - 70	5 - 100	–	4.6 - 92	191	0.23	1/4	–



Further
info on our
website.
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