

# TRANSDUCERIZED TORQUE & ANGLE CONTROL SYSTEM

The XTCA controller allows you to be in full control of your entire fastening process. Easily setup multiple tightening parameters like speed, time, thread, direction, torque and angle directly on the user friendly touch screen HMI. Create multiple jobs for different assembly stages and quickly switch between desired job dynamically. Tightening data can be transferred out using the built-in Ethernet Module via Modbus TCP protocol.

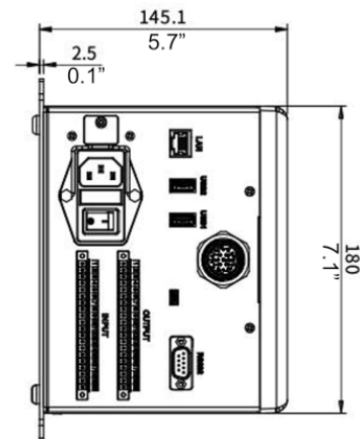
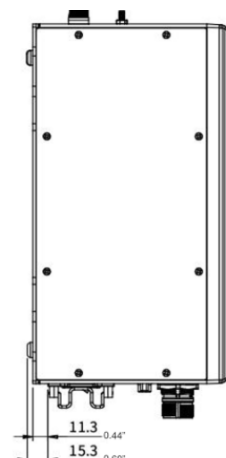
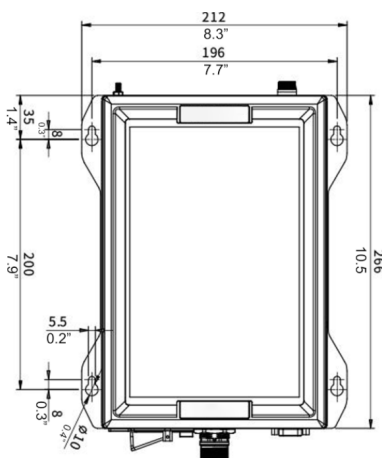
## Features

- High precision torque transducer
- High resolution angle encoder (1° - 30600°)
- Internal device storage 1 GB (Save up to 1,000,000 tightening data files)
- Save up to 99 jobs in normal mode and 70 jobs in advanced mode
- Program up to 99 sequences per job in normal mode and 50 sequences per job in advanced mode
- Program up to 8 unique rundown steps per sequence
- Export tightening data and job profiles via USB memory stick or FTP
- Customizable I/O for PLC integration
- Modbus TCP Communication Protocol

User friendly touch screen HMI provides excellent feedback & programmability



Specifications	
Model	XTCA1
Input Voltage	AC 115/230V, 50/60 Hz, 6.3A
Output Voltage	DC 40V 9A, 360W
Count Method	Incremental/Decremental
Torque Detection Value	Based on Screwdriver Specifications
External Connection Input	Start/Forward/Reverse/Disable/Confirm
External Connection Output	OK/NG/OK ALL/Start/Reverse + 2 x Programmable
Interface	RS-232, LAN, 2 x USB, I/O Terminals
External Dimensions	266 x 180 x 145 mm (10.4 x 7.0 x 5.7")
Weight	4.1 Kg (9.0lbs)
Applicable DC screwdriver model	ESL-XTA1/2F/3/3F/5/7 Series



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## ESL-XTA Series Inline Transducer Screwdrivers

Specifications										
Model	ESL-XTA1	ESL-XTA2F	ESL-XTA3	ESL-XTA3F	ESL-XTA5	ESL-XTA7	ESL-XTA12	ESL-XTA18	ESL-XTA25	
Input Voltage	DC40V									
Torque	Nm	0.1-1.0	0.3-2.4	0.4-3.0	0.4-3.0	0.6-5.0	0.9-7.0	1.5-12	2.2-18	3.1-25
	in-lbs	0.9-8.8	2.7-21.2	3.4-26.6	3.4-26.5	5.6-44.3	7.8-62.0	13.3-106.2	19.9-159.3	27.7-221.2
Max Speed/Min Speed (RPM)	980/60	2000/140	980/60	1600/60	1100/60	660/60	800/40	550/30	350/20	
Power Consumption	90W									
Weight	646 (1.4 lbs)	718 (1.6 lbs)		900g (2.0 lbs)			1460g (3.2 lbs)	1475g (3.2 lbs)	1910g (4.2 lbs)	
Length	290 mm (11.40")			307 mm (12.08 in)			337 mm (13.3 in)		348 mm (13.7 in)	
ESD Safe	Yes									
Start Type	Lever	Push and/or Lever							Lever	
Power Controller	XTCA1									
Bit Type	1/4" Hex						1/4" Hex (3/8" Square Special Order)			

Indicator light provides visual feedback to the operator

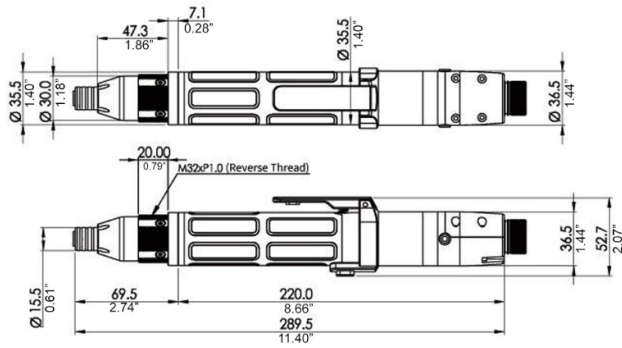
Removable trigger for fixtured applications

Soft rubberized grip for superior ergonomics

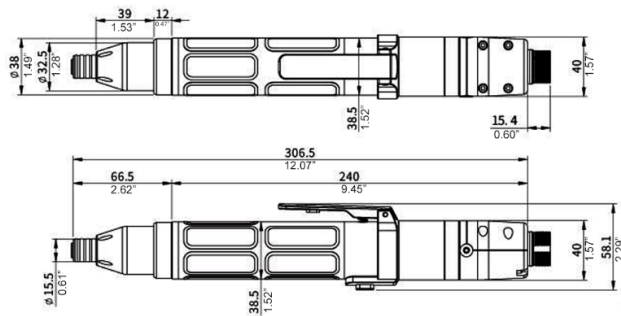
Precise Torque Transducer & Angle Encoder



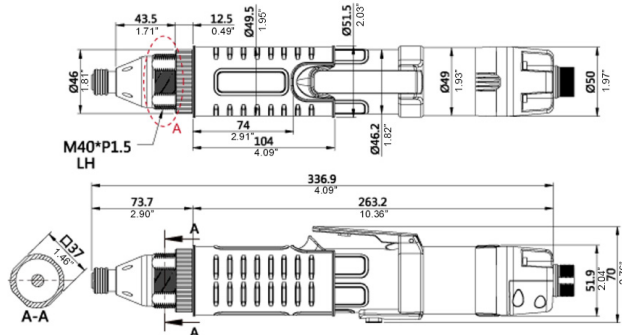
ESL-XTE1/2F/3



ESL-XTA3F/5/7



ESL-XTE12/18



ESL-XTE25

