

AUDITOR

Quick Start Guide

One Too Moment Alpha Torque Wrench



Moment Alpha Torque Wrench Quick Start Guide

This guide provides steps to run the Moment Alpha wrench and controller, and initiate and execute a test strategy.


Equipment/Software

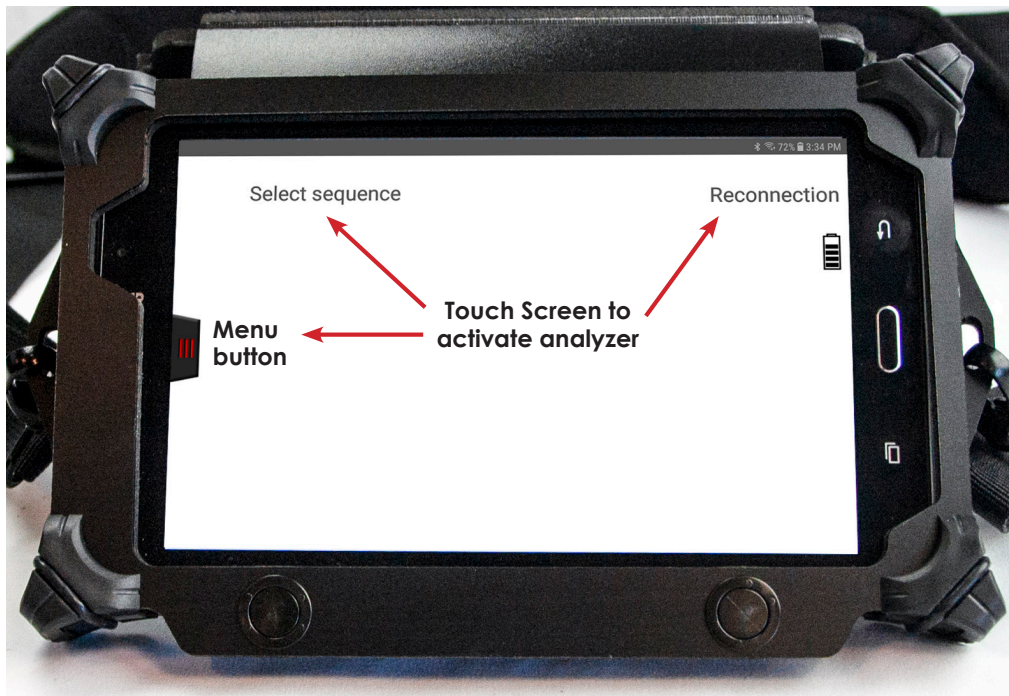
- CPSKV00 – Wrench Handle with battery
- Wrench handle battery pack
- Portable or Bench mount controller
- Joint Kit to run a sequence program effectively

Hardware Setup

- Power 'on' the bench mount or portable tablet
- Install battery pack into the wrench handle
- Power 'on' CPSKV00 Wrench Handle – No attachments installed

Controller Interface

Image 1 shows the 'main screen and when selecting the menu button or select sequence, operator will navigate back to the main screen by using the return arrow symbol  embedded into the controller/tablet

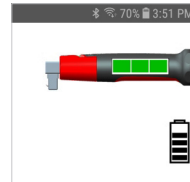


Tool Testing

Sync Tool with Controller



1. Set handle on a flat surface without attachments.
2. Touch **Reconnection** on controller to sync it with the wrench handle.
 - Press 'Ok' to verify



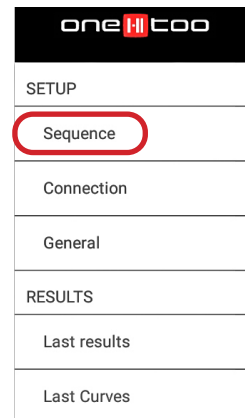
Syncing is complete when the **Reconnection** image is replaced by the image of a wrench handle on the screen.



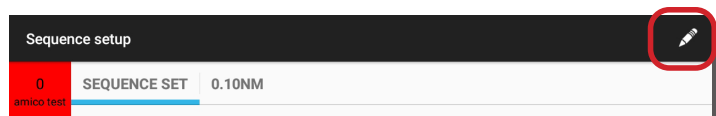
3. Touch the menu button to move to the setup menu.

Login

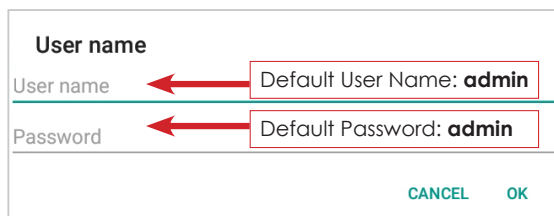
1. Login is required to develop a sequence. Select **Sequence** from the setup menu. This opens the **Sequence Setup** screen.

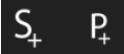


2. Touch the pencil icon, which takes you to the **User name** screen.



3. Log in using default user name and password.



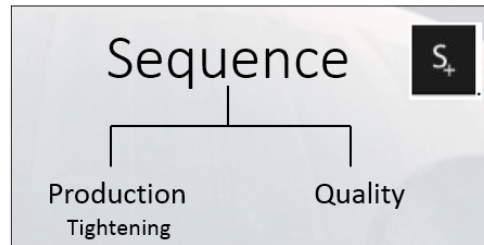
4. When the image  replaces the pencil symbol on this page, this is an indication that you are logged in.



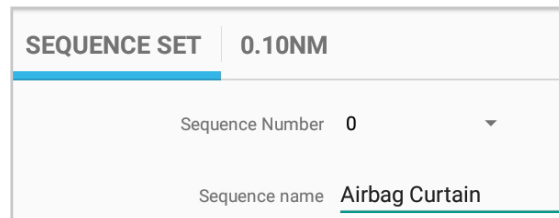
You now have access to:
Sequence (S+) Program (P+)


Set up a Sequence & Program

Sequence is a strategy – either Production or Quality. Access to these sequence options is dependent on the level of software available in the controller. See the OneToo Moment Alpha User Manual (LIT-MAN271) for steps to locate and identify the software version installed on your controller.



1. Select  to create a sequence name.



2. Select  to create a program.

Each strategy has 3 program options.

Production Programs

- Torque Control & Angle Monitoring
- Torque Control
- Angle Control & Torque Monitoring

Quality Programs

- Re-tight Mode
- Target Angle
- Residual Torque

Select the appropriate program. You can develop more than one program per strategy.

3. Use return arrow key  to save sequence/ program and return to the main screen.

Production Program Options

Select the program type to add

- Torque control & Angle monitoring
- Torque control
- Angle control & Torque monitoring

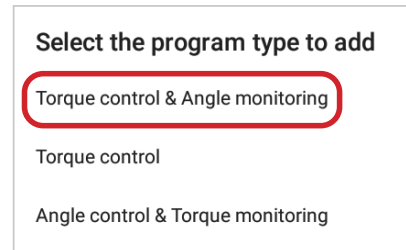
Quality Program Options

Select the program type to add

- Re-tight mode
- Target Angle
- Residual Torque

Example: Program Torque Control and Angle Monitoring

1. Select **Torque control & Angle monitoring** from the production program options menu.



2. Populate program parameters with the following required details:

- Target Torque (min/max will default to 10% of target)
- Min/Max Angle
- Batch Count

Other inputs are optional and will influence test results.

Sequence setup

SEQUENCE SET | 0.10NM | 1.NEW PROGRAM

0
Airbag
Curtain

1
Tom b1

Torque control & Angle monitoring

Target torque Target torque lb in

Min Torque Min Torque lb in

Max torque Max torque lb in

Threshold torque angle Threshold torque angle lb in

Min Angle Min Angle °

Max Angle 999.00 °

Program Number 1

Program name Program name

Barcode Barcode

Threshold torque wrench Threshold torque wrench lb in

Accessories Adapter (40Nm)

Tightening direction Absolute

Reset auto time 3.0 s

Batchcount 1

Redo type

Pop up start


Pop up end

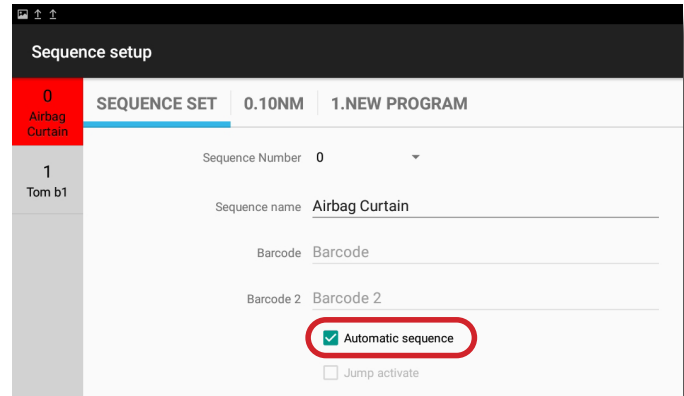
Prevailing Torque

Safety torque 0.00 lb in

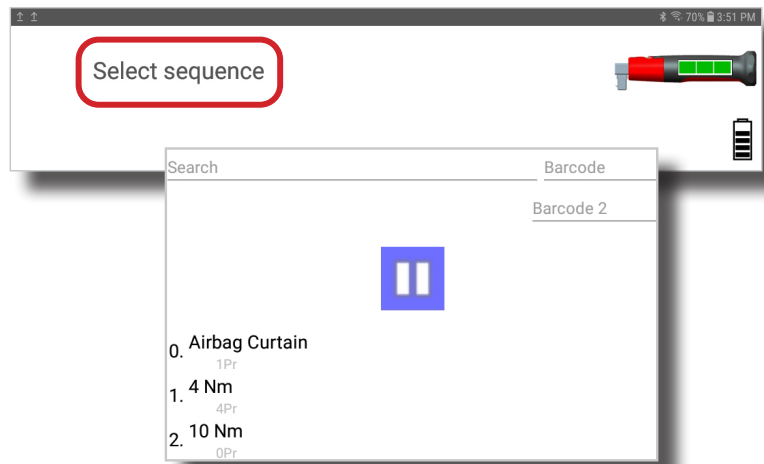
Quick Start Guide

Note: Check the **Automatic Sequence** box on the **Sequence Set** screen when you assign multiple programs to one sequence. This will run the programs sequentially during the rundown.


- Once the test parameters are defined, use return arrow key  to exit. This will take you back to the main screen.



- From the main screen, touch **Select sequence** and a menu will appear to allow you to choose your sequence.



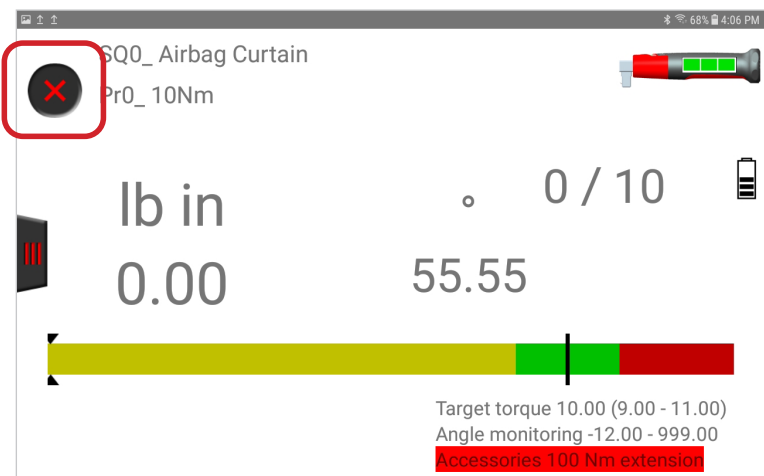
- Touch the sequence name to begin testing.

At any time during the program, the operator can stop the execution by touching the  located on the top left corner of the screen.

Edits to the program can be made:

- Reset target torque
- Refine the min/max torque window
- Refine the angle window
- Adjust the batch count

Additional edits are available as well. See LIT-MAN271 for more options.

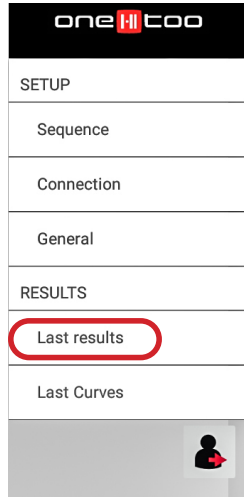


Results

Touch the menu tab.



Select the **Last results**.



View rundowns

- Production (tightening)
- Quality

Last results

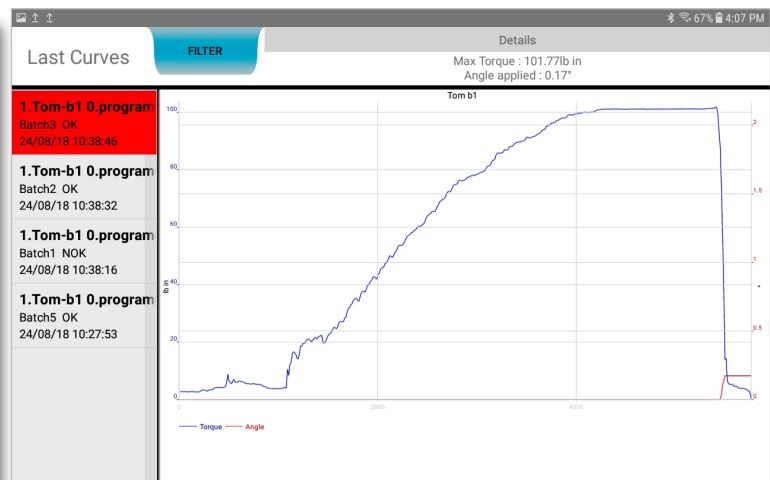
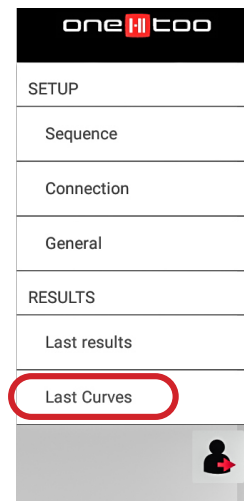
Date	Time	Sq	Pg	Screw	Torque	Angle	Rp
24/08/18	10:39:07	1. Tom b1	4 Pg.	-	-	-	NOK
24/08/18	10:39:07	1. Tom b1	0. program0	6	-	-	NOK
24/08/18	10:38:46	1. Tom b1	0. program0	3j6	101.77	0.17	OK
24/08/18	10:38:32	1. Tom b1	0. program0	2j6	101.65	0.33	OK
24/08/18	10:38:16	1. Tom b1	0. program0	1j6	2.86	0.00	NOK
24/08/18	10:35:55	1. Tom b1	4 Pg.	-	-	-	NOK
24/08/18	10:35:55	1. Tom b1	0. program0	6	-	-	NOK

View Traces

Touch the menu tab.



Select **Last Curves**.



Use return arrow key  to return to the main screen.



CORPORATE HEADQUARTERS
10000 SE Pine Street
Portland, Oregon 97216
Phone: (503) 254-6600
Toll Free: 1-800-852-1368

AIMCO CORPORATION DE MEXICO SA DE CV
Ave. Cristobal Colon 14529
Chihuahua, Chihuahua. 31125
Mexico
Phone: (01-614) 380-1010
Fax: (01-614) 380-1019