

AUDITOR™

MODULAR SYSTEM ULTIMATE FLEXIBILITY



**Moment Alpha Precision Digital
Torque Wrench**

 **CRITICAL
FASTENING
SOLUTIONS**

ULTIMATE FLEXIBILITY

ENSURE ACCURACY IN QUALITY OR PRODUCTION APPLICATIONS

Moment Alpha is a modular digital wrench/torque system that ensures accurate, measurable tightening every time. Designed for both torque and angle measurement, the system can be used in both quality and production applications.

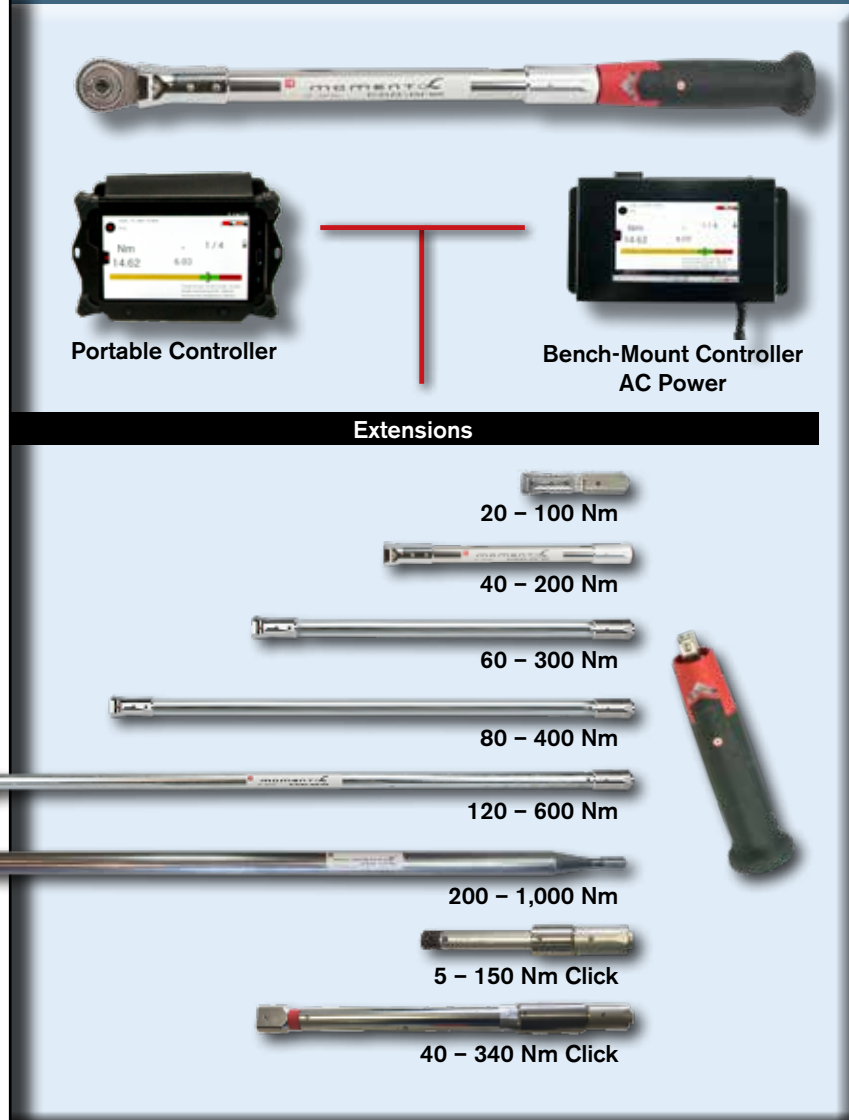
The Moment Alpha wrench is now available with Open Protocol, which allows instant data transfer to the plant network. Production and Quality audit results can be sent on the network after each event, and PLC logic can be developed to communicate signals to I/Os.



With the introduction of the new Mechanical Click system, Moment Alpha offers increased functionality. Quick and easy torque validation with data collection to ensure accurate rundowns on critical joints.

FEATURES

- Torque *and* angle measurement
- Modular system with automatic detection of accessories
- Bluetooth communication between wrench and controller
- Now available with Open Protocol
- One wrench/tablet analyzer to perform audits in full torque range from 0.5 – 1,000 Nm (with optional accessories)
 - Screwdriver mode from 0.5 – 5 Nm
 - Flexion mode (wrench) from 4 – 1,000 Nm
- Works in both clockwise and counter-clockwise operation
- Click wrench option provides tactile and audible feedback, as well as double hit and overshoot detection
- Uses standard drive adapters
- Data collection with Data storage of 50,000 readings and 1,000 traces
- Rechargeable battery pack for wrench handle



WRENCH HANDLE



WRENCH HANDLE	TORQUE RANGE	LENGTH	WEIGHT	TORQUE TRANSDUCER ACCURACY	TIGHTENING ACCURACY	ANGLE TRANSDUCER ACCURACY
CPSKV00	Screwdriver Mode: 0.5 - 5 Nm Wrench Mode: 4 - 40 Nm (requires CPSJP81 adapter) 4 - 1,000 Nm (with appropriate extension*)	79" 200 mm	0.82 lb 0.37 kg	ISO 6789 < 1%	< ±4%	±1%

* Wrench handle supplied with one battery. Specific extensions for specific torques available separately. Contact an AIMCO Customer Service Associate, 1-800-852-1368.

CONTROLLERS



Portable Controller



Bench-Mount Controller
AC Power

DESCRIPTION	SIZE	WEIGHT
Portable Controller	7.1" x 13.8" x 5.9" 180 x 350 x 150 mm	1.05 lbs 0.5 kg
Bench-Mount Controller	8.7" x 5.4" x 1.3" 221 x 138 x 32 mm	7.05 lbs 3.2 kg

FEATURES

- Preset tightening settings
- Audible alarm
- Four tightening modes: Torque, Angle, Torque and Angle Monitoring, Angle and Torque Monitoring
- 7" color display touchscreen
- International units: Nm, kg/m, kp/m, ft-lb, in-lb, ft-oz, in-oz
- Sturdy and suited to industrial environments
- For greater flexibility, software is interchangeable between bench-mount and portable models
- Portable controller comes with a protective screen, rugged case, and carrying strap

SOFTWARE

The Moment Alpha system allows you to select from four software versions to meet all your Production and Quality requirements. Any of the software versions can be installed on either of the controllers.



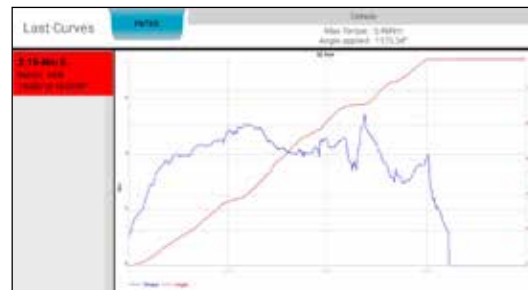
Easy-to-read touchscreen interface



Simple, straightforward sequence and program setup

	PRODUCTION SOFTWARE		QUALITY SOFTWARE	
	START	PREMIUM	START	PREMIUM
TIGHTENING AND QUALITY STRATEGY				
Re-Tight Mode			X	X
Angle Control/Peak Torque			X	X
Residual Torque			X	X
Torque Control/Angle Monitoring	X	X	X	X
Angle Control/Torque Monitoring	X	X	X	X
Prevailing Torque		X		X
SETTING BOX / CONNECTION				
USB: Backup, Restore, Download	X	X	X	X
Serial Port (Bar Code/Printer)	X	X		
WiFi		X	X	X
Ethernet RJ45		X		
OneToo Protocol		X		X
SETTING SEQUENCE				
Sequence number	10	1,000	10	1,000
Sequence name	X	X	X	X
Auto sequence	X	X	X	X
Auto reset	X	X		X
Jump		X		X
Retry		X		X
SETTING PROGRAM				
Program number	10	99	10	99
Barcode		X		X
Tightening direction		X		X
Batch count	999	999	999	999
Data Viewer				
Result Ok/NOK	X	X	X	X
Data	X	X	X	X
Trace	X	X	X	X
Export Data				
USB	X	X	X	X
OPERATING SYSTEM				
Trace Memory	3	1,000	3	1,000
Data Memory	1,000	50,000	1,000	50,000
ACCESSORIES MANAGEMENT				
Up to 15 Accessories	X	X	X	X
Extension	X	X	X	X
Electro-Mechanical Cutout	X	X	X	X

Date	Time	Qty	Prg	Score	Torque	Angle	Rq
24/06/18	10:29:07	1, Torx s1	4 Pg.	--	--	--	NOK
24/06/18	10:29:27	1, Torx s1	0 program0	6	--	--	NOK
24/06/18	10:28:46	1, Torx s1	0 program0	39	101.77	0.17	OK
24/06/18	10:28:53	1, Torx s1	0 program0	26	101.69	0.33	OK
24/06/18	10:28:18	1, Torx s1	0 program0	18	9.84	0.00	NOK



Easily view results and curves

CLICK WRENCH

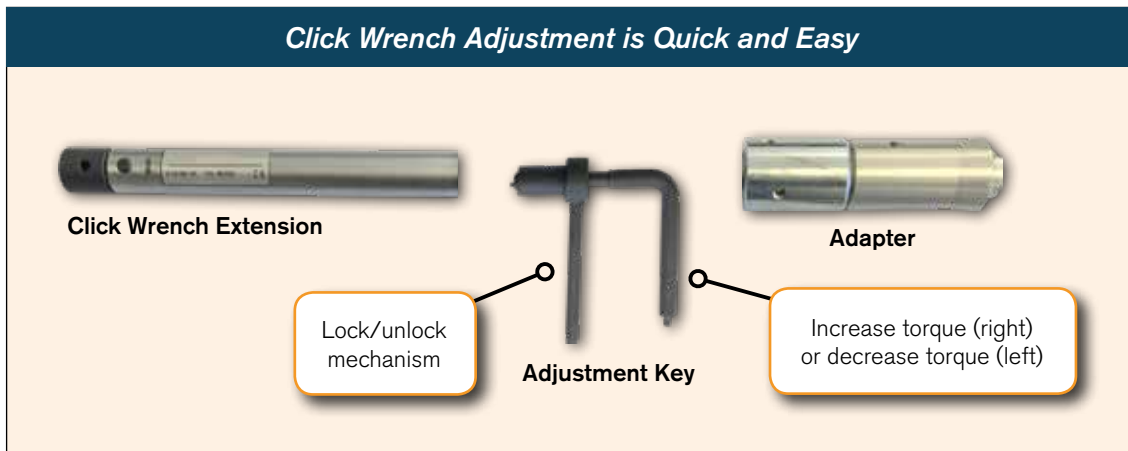
The Moment Alpha Smart Click Wrench setup improves the torque validation process by offering Torque and Angle measurement, which can be used to error proof your process by detecting double hit and overshoot (thread stripping). The controller stores 100,000 data points and 1,000 traces. The wrench provides tactile operator feedback with visual and audible queues.

FEATURES AND BENEFITS

- Collect and store rundowns
- Range: 5 – 340 Nm, five sizes
- Tactile operator feedback with visual and audible queues
- Simple Torque & Angle Strategies
- When using an angle window, the system will detect
 - Double hit (already tightened fastener)
 - Overshoot (stripped fastener)



Click Wrench Adjustment is Quick and Easy



AUDITOR

CHOOSE YOUR SYSTEM

1) Start with the Basics

All Moment Alpha systems start with a basic kit.

CPSKV00-KIT Basic Kit

MODEL	DESCRIPTION
CPSKV00	Wrench Handle
CPSJP75	Battery Unit for Handle (includes 3 rechargeable AA batteries)
CPSJP73	Battery Charger
CPSJP81	Adapter 4 - 40 Nm Length: 3.5" / 89 mm Weight: 0.03 lb / 0.01 kg

Parts also available separately.



2) Choose Your Controller and Software

Either the portable or bench-mount controller type can be selected for either the Production or Quality systems.

Bench-Mount Controller



MODEL	INSTALLED SOFTWARE
CPSKMA-B.PS	Production Start Software
CPSKMA-B.QS	Quality Start Software
CPSKMA-B.QP	Quality Premium Software
CPSKMA-B.PPOP	Production Premium Software with Open Protocol
CPSKMA-B.QPOP	Quality Premium Software with Open Protocol

Portable Controller



MODEL	INSTALLED SOFTWARE
CPSKMA-P.PS	Production Start Software
CPSKMA-P.QS	Quality Start Software
CPSKMA-P.QP	Quality Premium Software
CPSKMA-P.PPOP	Production Premium Software with Open Protocol
CPSKMA-P.QPOP	Quality Premium Software with Open Protocol

3) Choose Your Extensions

AIMCO offers a variety of extensions to meet all of your application needs.



CPSKS93
40 Nm
Mini Adapter

CPSKS90
60 Nm Adapter

Extensions

MODEL	DESCRIPTION	LENGTH	END EFFECTOR CONNECTION	WEIGHT
CPSKS86	Extension 20 - 100 Nm	5.71" / 145 mm	14 x 18*	0.06 lb / 0.03 kg
CPSKS81	Extension 40 - 200 Nm	14.41" / 366 mm	14 x 18*	1.1 lb / 0.5 kg
CPSKS85	Extension 60 - 300 Nm	27.06" / 688 mm	14 x 18*	2.6 lb / 1.2 kg
CPSKS87	Extension 80 - 400 Nm	30.27" / 769 mm	14 x 18*	3.08 lb / 1.4 kg
CPSKS82	Extension 120 - 600 Nm	42.72" / 1,085 mm	14 x 18*	5.07 lb / 2.3 kg
CPSKS98	Extension 200 - 1,000 Nm	70.86" / 1,800 mm	1"	5.07 lb / 2.3 kg

CLICK EXTENSIONS

MODEL	DESCRIPTION	LENGTH	END EFFECTOR CONNECTION	WEIGHT
CPSPH05	Extension 5 - 25 Nm	6.85" / 174 mm	9 x 12*	1.15 lb / 0.5 kg
CPSPH10	Extension 10 - 50 Nm	9.21" / 234 mm	9 x 12*	1.4 lb / 0.6 kg
CPSPH20	Extension 20 - 100 Nm	12.09" / 307 mm	9 x 12*	1.65 lb / 0.7 kg
CPSPH30	Extension 30 - 150 Nm	15.59" / 396 mm	9 x 12*	1.85 lb / 0.8 kg
CPSPH40	Extension 40 - 200 Nm	17.83" / 453 mm	14 x 18*	3.5 lb / 1.6 kg
CPSPH60	Extension 60 - 340 Nm	21.30" / 541 mm	14 x 18*	4.3 lb / 2.0 kg

END EFFECTOR ADAPTERS

MODEL	DESCRIPTION	LENGTH	END EFFECTOR CONNECTION	WEIGHT
CPSKS93	Mini Adapter 4 - 40 Nm + Detection	1.9" / 49 mm	Adapts 14 x 18 to 9 x 12	-
CPSKS90	Adapter 6 - 60 Nm + Detection	3.8" / 96 mm	Adapts 14 x 18 to 9 x 12	-

* End Effectors sold separately. Contact an AIMCO Customer Service Associate, 1-800-852-1368.

KIT EXAMPLES

Because of its modularity, the Moment Alpha system has multiple options for building a customized kit. Following are examples of kits that you can build to suit your application needs.

Example: Quality Premium Kit with Extensions



CPSKV00-KIT

- (1) Wrench
- (1) Wrench Battery
- (1) Battery Charger
- (1) 40 Nm Adapter

PLUS

- (1) Additional Battery (CPSJP75)
- (1) Portable Controller with Quality Premium Software (CPSKMA-P.QP)
- (1) 40 - 200 Nm Extension (CPSKS81)
- (1) 120 - 600 Nm Extension (CPSKS82)
- (1) 14 x 18 Ratchet Head (APTH-14RT50)
- (1) Portable Kit Carrying Case (30988)

Example: Production Premium Kit with Click Extensions



CPSKV00-KIT

- (1) Wrench
- (1) Wrench Battery
- (1) Battery Charger
- (1) 40 Nm Adapter

PLUS

- (1) Additional Battery (CPSJP75)
- (1) Bench-Mount Controller with Production Premium Software, Open Protocol (CPSKMA-B.PPOP)
- (1) 10 - 50 Nm Click Extension (CPSPH10)
- (1) 40 - 200 Nm Click Extension (CPSPH40)
- (1) 14 x 18 Ratchet Head (APTH-14RT50)
- (1) 9 x 12 Ratchet Head (APTH-12RT38)

ACCESSORIES

WRENCH HEADS

AIMCO's wide range of interchangeable heads provide flexibility and convenience.

MODEL	DESCRIPTION
9 x 12	
APTH-12RT25	Ratchet Insert, 1/4 SQ DR, 12 mm
APTH-12RT38	Ratchet Insert, 3/8 SQ DR, 12 mm
APTH-12RT50	Ratchet Insert, 1/2 SQ DR, 12 mm
APTH-12SD25	SQ DR Insert, 1/4 SQ DR, 12 mm
APTH-12SD38	SD DR Insert, 3/8 SQ DR, 12 mm
APTH-12SD50	SQ DR Insert, 1/2 SQ DR, 12 mm
14 x 18	
APTH-14RT50	Ratchet Insert, 1/2 SQ DR, 14 mm
APTH-14RT34	Ratchet Insert, 3/4 SQ DR, 14 mm
APTH-14SD50	SQ DR Insert, 1/2 SQ DR, 14 mm

Open-end heads also available. Contact an AIMCO Customer Service Associate, 1-800-852-1368.



PORTABLE KIT CARRYING CASE

This rugged, weather-resistant carrying case protects the portable controller and kit components.



30988
Portable Kit Carrying Case
(items shown in case sold separately)



CORPORATE HEADQUARTERS

10000 SE Pine St.
Portland, Oregon 97216
Phone: (503) 254-6600

AIMCO CORPORATION DE MEXICO SA DE CV

Ave. Cristobal Colon 14529
Chihuahua, Chihuahua. 31125
Mexico
Toll Free : (01-800) 801-1600
Direct : (01-614) 380-1010
Fax: (01-614) 380-1019

AIMCO SOUTH AMERICA

Calle Congreve No 800. Escobar
El Aromo. L207
Provincia de Buenos Aires
Argentina
CP: 1625
Phone: +54 9 11 3341 0543

AIMCO CHINA

Room 607, No. 3998 Hongxin Rd,
Dibao Plaza, Minhang District,
Shanghai, 201103
China
Phone: 0086-21-34319246
Fax: 0086-21-34319245

AIMCO SOUTH KOREA

B-1213, 167, Songpa-Daero
Songpa-Gu, Seoul 05800
South Korea
Phone: 0082-2-2054-8930
Cell: 0082-10-9804-8905