

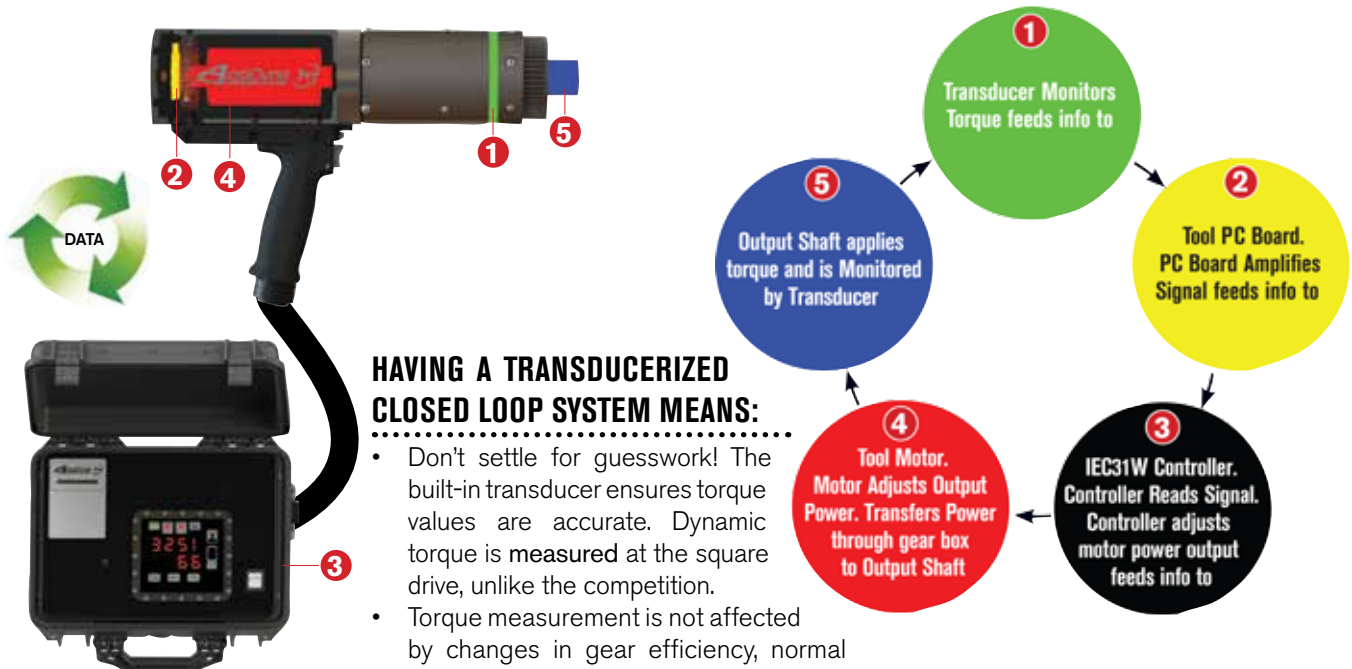


HIGH CAPABILITY TOOLING



ACHIEVING ASSEMBLY EXCELLENCE

The Driving Force in Critical Bolting



CHOOSE YOUR HANDLE



FEATURES AND BENEFITS

Critical high torque assembly and bolting applications demand tools that will deliver torque with superior performance and durability. The precision design of the HT Series from AcraDyne combines these features in an electric tool that beats the competition on productivity and ergonomics. AcraDyne's transducer torque control system provides consistent, reliable torque values as well as the ability to monitor rotational angle during the tightening process. When combined with AcraDyne's Controllers, customers have a high torque critical bolting system that can handle the toughest and most important bolting jobs. The faster speed, coupled with its extreme accuracy, makes this bolting system an outstanding cost effective investment.

- Transducerized closed-loop control, NOT current control like most High Torque products available.
- One of the only high torque tools in the world with the transducer at the output.
- Torque is measured at the output, not before the gearing like competing products.
- No effect on results caused by gear wear like all other tools available.
- The torque reported is the torque delivered to the fastener.
- Most accurate high torque tools in the world.
- Up to three times faster than the competition.
- Interchangeable Tools, Cables, and Controllers – Calibrations are specific to the tool not the system as a whole.
- Universal Controller for all AcraDyne[®] tools.
- On-tool LEDs for Accept / Reject signals.
- Designed and **MADE IN THE USA.**



PISTOL TYPE
(AEP)



REAR MOUNTED PISTOL
(AED)



AXIAL TYPE
(AEJ)



FIXTURED TYPE
(AEF)



STRAIGHT LEVER TYPE
(AES)



MODEL* (handle type)	SERIES	APPROX. TORQUE		APPROX. SPEED rpm	WEIGHT		LENGTH		DIA.		DRIVE in	SOUND LEVEL dB(A)
		Nm	ft-lb		kg	lb	mm	in	mm	in		
()4(A)(B)66500B	6000	500	370	106	5.5	12	305	12	66	2.6	0.75	66
()4(A)(B)66750B	6000	750	550	72	5.5	12	305	12	66	2.6	0.75	66
()4(A)(B)771000B	7000	1,000	750	65	7.3	16	310	12.2	76	3.0	1	66
()4(A)(B)772500B	7000	2,500	1,850	25	8.2	18	345	13.6	76	3.0	1	66
()4(A)(B)884200B1	8000	4,200	3,100	12	11.8	26	391	15.4	86	3.6	1	66
()4(A)(B)884200B	8000	4,200	3,100	12	11.8	26	391	15.4	86	3.6	1.5	66
()4(A)(B)885000B	8000	5,000	3,700	9	11.8	26	391	15.4	86	3.6	1.5	66
()4(A)(B)896500B	8000/9000	6,500	4,800	7	16.4	36	429	16.9	101	4.0	1.5	66
()4(A)(B)898100B	8000/9000	8,100	6,000	5	16.4	36	429	16.9	101	4.0	1.5	66

* The fifth digit of the model number is "A" for fixed gearcase models and "B" for clutched gearcase models. Add "B" to the end of the model number for bottom exit cable (fixtured type). Above data is for clutched gearcase models. For no-clutched models, reduce weight by 1.5 lb (0.7 kg) and length by 2 in (51 mm).

Providing Unmatched Accuracy

FEATURES AND BENEFITS

- Transducerized closed-loop control like all AcraDyne HT-Series tools.
- Torque is measured at the output, not before the gearing like competing products.
- A unique solution: Low profile head, small diameter, lever operated tools with the transducer at the output.
- No effect on results caused by gear wear, like other angle tools. The torque reported is the torque delivered to the fastener.
- Most accurate right-angle high torque tools in the world.
- Smallest tools of their kind on the market.
- Same durable high-cycle gearing as our other HT-series tools.
- Models up to 8100 Nm available by special order.



AEN3571000A



AEN356540A



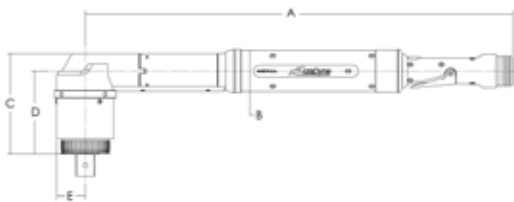
AEN3571600A



AEN3572600A

SPECIFICATIONS

APPLICATION DATA	MAX. TORQUE*		TORQUE RANGE		FREE SPEED RPM	WEIGHT		OUTPUT DRIVE
	nm	ft-lbs.	nm	ft-lbs.		lbs.	kg	
AEN356540A	540	398	135-540	100-398	109	13.1	5.95	3/4" Square Drive
AEN3571000A	1000	737	250-1000	184-737	61	16.3	7.39	1" Square Drive
AEN3571600A	1600	1180	400-1600	295-1180	33	16.7	7.57	1" Square Drive
AEN3572600A	2600	1917	650-2600	479-1917	21	18.5	8.40	1" Square Drive



DIMENSIONS	A		B		C		D		E	
	in	mm	in	mm	in	mm	in	mm	in	mm
AEN356540A	22.58	573.6	2.31	58.7	4.75	120.6	4.05	102.8	1.33	33.7
AEN3571000A	22.92	582.2	2.31	58.7	5.36	136.1	4.44	112.7	1.53	38.7
AEN3571600A	22.92	582.2	2.31	58.7	5.36	136.1	4.44	112.7	1.53	38.7
AEN3572600A	22.92	582.2	2.31	58.7	6.77	171.9	5.86	148.8	1.53	38.7

DUAL LEVER TOOLS

FEATURES AND BENEFITS

- Additional safety when using a tool with a reaction bar or nose extension.
- Requires the operator to use both hands when starting the tool, which keeps their hands clear of the application.
- Helps avoid accidental starting of the tool.
- Available in two handle types: "Handle Bar" style (F) and Straight (S) tool with side handle.



MODEL* (handle type)	SERIES	APPROX. TORQUE		APPROX. SPEED rpm	WEIGHT		LENGTH		DIA.		DRIVE in	SOUND LEVEL dB(A)
		Nm	ft-lb		kg	lb	mm	in	mm	in		
AE(S)(F)4(A)(B)66500BDL	6000	500	370	106	5.5	12	305	12	66	2.6	0.75	66
AE(S)(F)4(A)(B)66750BDL	6000	750	550	72	5.5	12	305	12	66	2.6	0.75	66
AE(S)(F)4(A)(B)77100BDL	7000	1,000	750	65	7.3	16	310	12.2	76	3.0	1	66
AE(S)(F)4(A)(B)77250BDL	7000	2,500	1,850	25	8.2	18	345	13.6	76	3.0	1	66
AE(S)(F)4(A)(B)884200B1DL	8000	4,200	3,100	12	11.8	26	391	15.4	86	3.6	1	66
AE(S)(F)4(A)(B)884200BDL	8000	4,200	3,100	12	11.8	26	391	15.4	86	3.6	1.5	66
AE(S)(F)4(A)(B)885000BDL	8000	5,000	3,700	9	11.8	26	391	15.4	86	3.6	1.5	66
AE(S)(F)4(A)(B)896500BDL	8000/9000	6,500	4,800	7	16.4	36	429	16.9	101	4.0	1.5	66
AE(S)(F)4(A)(B)898100BDL	8000/9000	8,100	6,000	5	16.4	36	429	16.9	101	4.0	1.5	66

* The fifth digit of the model number is "A" for fixed gearcase models and "B" for clutched gearcase models.

Above data is for clutched gearcase models. For no-clutched models, reduce weight by 1.5 lb (0.7 kg) and length by 2 in (51 mm).

HT GEARHEAD TOOLS

FEATURES AND BENEFITS

- Custom made to fit virtually any application.
- Same high durability gearing as on AcraDyne's standard HT Series tools.
- Model types available:
 - HT Right Angle tools
 - HT Offset Gearhead tools
 - HT Right Angle with Offset Head
- Torque ranges from 400Nm to 4650Nm.



NOSE EXTENSIONS

FEATURES AND BENEFITS

- Ideal for hard-to-reach applications when a torque tube, or arm, is not desirable.
- Used as a cost-effective, more flexible option to a multiple spindle system.
- Common Applications:
 - Wheel install and repair stations.
 - Large flange assembly



GEN IV CONTROLLER

The AcraDyne Gen IV controller is the culmination of more than 40 years of serving our industrial fastening customers with 15 years of designing and manufacturing DC tools that are Made in the USA. It is filled with countless advanced capabilities and features. The Gen IV Controller is the core of the modular AcraDyne DC system. One controller will command any tool in the AcraDyne line from 0.5 Nm to 8100 Nm, all with one cable.

FEATURES AND BENEFITS

- Backward compatible – Works with any Gen III or Gen IV tool from 0.5 Nm – 8100 Nm.
- Bright LED screen – View Torque, Angle, Bolt Count, Parameter Set, Job/Sequence easily from a distance.
- Graphical Screen with on-board software that is the same on all devices.
- Web browser based programing – Receive data on your PC, Tablet, SmartPhone, or any other web-capable device. You can use more than one device at a time: Be in program mode on one device while reviewing real-time curves on another while watching tool diagnostics on a third.
- Multiple Fastening Strategies – Program up to 256 Parameters with as many as 20 Steps.
- Jobs Capability – 99.
- Backup & Restore through USB or Ethernet.
- Removable Flash Memory.
- Assignable I/O (8 X 8).
- Rundown storage – 10,000, including the curves.
- Event log – 5000.
- Real-time curve viewing.
- Programmable Calibration and Service alerts.
- Top exit tool cable option available.



NETWORKING CAPABILITIES

- Ethernet Protocols including Open Protocol, Ethernet/IP & PFCS.
- Modular field bus connectivity: PROFIBUS, DeviceNET, Modbus TCP, or any Fieldbus offered by



- Data collection.
- Serial protocols and string output.
- Bar Code Scanning & printing.
- Multi-spindle synchronization.

FOUR DIGIT TORQUE DISPLAY

SECONDARY DISPLAY ALLOWS USER TO EASILY SET AND TOGGLE THROUGH INFORMATION:

- ANGLE
- ENGINEERING UNITS
- BOLT COUNT
- JOB/JOB SEQUENCE

OPTIONAL 7" GRAPHICAL DISPLAY:

- RUNS THE SAME SOFTWARE ON PC FOR EASE OF USE.
- REAL TIME GRAPHING FOR APPLICATION REVIEW.
- SELECTABLE RUN SCREENS.
- TOUCH-SCREEN.



LED DISPLAY: LARGE NUMBERS CAN BE SEEN FROM A DISTANCE.

PARAMETER SET DISPLAY: DISPLAYS CURRENT PARAMETER SET AND ENABLES USER TO QUICKLY CHANGE BY SCROLLING UP OR DOWN.

Model	System Port & Removable Memory	Lights (L) LED Display (D) Graph (G)	24V I/O Assignable 8 X 8"	Serial Port with Protocols	Backup & Restore (USB)	Ethernet*	DeviceNET	PROFIBUS
iEC4E	X	L/D		X	X	X		
iEC4EV	X	L/D	X	X	X	X		
iEC4EG	X	L/D/G		X	X	X		
iEC4EGV	X	L/D/G	X	X	X	X		
iEC4ED	X	L/D		X	X	X	X	
iEC4EP	X	L/D		X	X	X		X
iEC4EVD	X	L/D	X	X	X	X	X	
iEC4EVP	X	L/D	X	X	X	X		X
iEC4EGD	X	L/D/G		X	X	X	X	
iEC4EGP	X	L/D/G		X	X	X		X
iEC4EGVD	X	L/D/G	X	X	X	X	X	
iEC4EGVP	X	L/D/G	X	X	X	X		X

* Ethernet channel supports The Open Protocol, Toolsnet, EtherNet/IP, Modbus/TCP, and other protocols.
Add (-T) to model number for top exit tool cable option

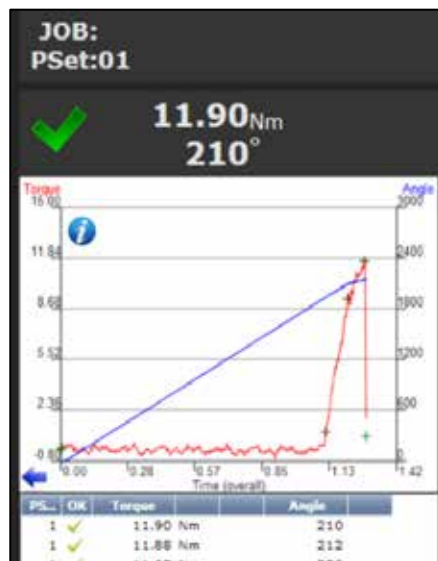
SOFTWARE

AcraDyne's software package is on-board every AcraDyne controller and is provided FREE of charge. This comprehensive, user-friendly program allows programming, analysis, and diagnostics.

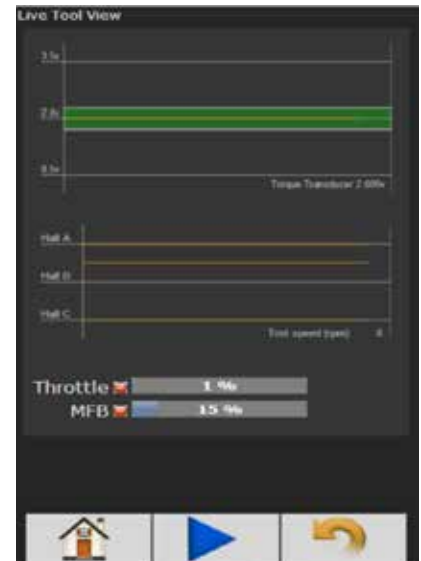
The software is based on a standard web browser. This allows you to connect the AcraDyne controller with any computer, tablet, or smart device. Connect through Ethernet, USB, or wirelessly via a network to which both devices are connected.



Adding and editing Parameter Sets (256) and Jobs (99) Is easy and intuitive in the parameter set up function



View curve results in real time or one of the up to 10000 stored in memory to program the application for optimal performance



Tool programming and diagnostics for repair, calibration and advanced troubleshooting



Several run screens to choose from. The large screen indicators are helpful in viewing real time results of the rundown from a distance



HIGH CAPACITY TEST STANDS



AHCTS-5000



AHCTS-001K

AHCTS TEST STANDS FOR ROTATING TOOLS

Designed for testing tools with continuous rotating output spindles. The test stand includes a rundown fixture, bushing for side load support, reaction post or reaction paddles, transducer and torque analyzer display.

MODEL	DESCRIPTION
AHCTS-0500	3/4" Square Drive w/rundown fixture
AHCTS-1000	1" Square Drive w/rundown fixture
AHCTS-2500	1.5" Square Drive w/rundown fixture
AHCTS-5000	1.5" Square Drive w/rundown fixture
AHCTS-7500	1.5" Square Drive w/rundown fixture
AHCTS-5025*	1.5" Sq Dr dual station w/rundown fixture and reaction devices

*This stand has two transducers embedded into the base, one for rotary tools and one for hydraulic tools, and comes with rundown and reaction fixtures and one display.

**Please refer to the Test Stand Configurator in the Appendix C, page 88 for required ordering options.

Optional Pelican Case shown (ordered separately)



AHCTS-K STANDS

The AHCTS-K stands are specifically designed for hydraulic wrench testing. Hydraulic wrenches have very low profiles but very high torque output, therefore, working height must be minimized to prevent side loading which could lead to errors in data or damage to tool or reaction devices.

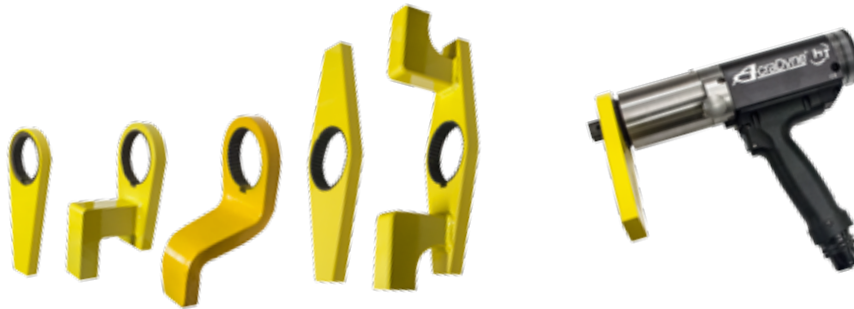
Either stand can be ordered with options such as extension legs, casters, embedded or attached torque analyzers with various rundown fixtures and reaction devices. Contact an AIMCO Customer Service Associate for additional information, 1-800-852-1368.

MODEL	DESCRIPTION
AHCTS-0.5K	3/4" Square Drive w/reaction device
AHCTS-001K	1" Square Drive w/reaction device
AHCTS-2.5K	1.5" Square Drive w/reaction device
AHCTS-005K	1.5" Square Drive w/reaction device
AHCTS-010K	1.5" Square Drive w/reaction device
AHCTS-025K	2" Square Drive w/reaction device

ACCESSORIES

REACTION BARS

Each tool includes a standard spline-attachment reaction device. Custom reaction devices are also available; contact your AIMCO Sales Representative for more details, 1-800-852-1368.



MODEL	DESCRIPTION
26810	Single Ended, Flat, 6000 Series
26815	Single Ended, 2.375" Offset, 6000 Series
26830	Double Ended, Flat, 6000 Series
26835	Double Ended, 2.375" Offset, 6000 Series
26885	Single Ended, 4.00" Offset, 6000 Series
26800	Single Ended, Flat, 7000 Series
27200	Single Ended, 3.10" Offset, 7000 Series
26820	Double Ended, Flat, 7000 Series
26825	Double Ended, 3.10" Offset, 7000 Series
26890	Single Ended, 4.00" Offset, 7000 Series
25277	Single Ended, flat, 8000 Series
25274	Single Ended, 3.35" offset, 8000 Series
25275	Single Ended, 4.00" offset, 8000 Series
25278	Double Ended, flat, 8000 Series
25276	Double Ended, 3.35" offset, 8000 Series
27255	Single Ended, flat, 9000 Series
26840	Single Ended, 3.35" offset, 9000 Series

ACCESSORIES

Custom accessories are also available for your application; contact your AIMCO Sales Representative for more details, 1-800-852-1368.



MODEL	DESCRIPTION
26477	Swivel Bail Assembly, 6000 Series
26478	Swivel "D" Handle Assembly, 6000 Series
26479	Stationary Bail Assembly, 6000 Series
26337	Rear Fixed Hoist Ring Sub-Assembly, 7000/8000 Series
26327	Swivel Bail Assembly, 7000 Series
26328	Swivel "D" Handle Assembly, 7000 Series
26336	Fixed Handle Sub-Assembly, 7000 Series
26337	Rear Fixed Hoist Ring Sub-Assembly, 7000 Series
25291	Swivel Handle, 8000 Series
25287	Swivel Bail Hoist, 8000 Series
25497	Rear fixed hoist ring, 8000 Series
25289	Fixed hoist (handle not included), 8000 Series
25280	Auxiliary Handle, 8000 Series
26822	Mounting Flange, 7000 Series
27045	Sliding Spindle, 7000 Series

CABLES

Newly designed cable and connectors provide excellent ergonomics, maximum-quality signal transfer, and full CE compliance.

MODEL	LENGTH
24330	3 meter
25350	5 meter
24320	10 meter



BREAKAWAY CABLE CONNECTOR

Ensures disconnect of cable should stress in excess of 40 lbs occur.



PROTECTIVE COVERS

Durable protective covers prevent marring and damage.

MODEL	DESCRIPTION
BJ10078	Protective Cover, 6000 Series
BJ10077	Protective Cover, 7000 Series
BJ10076	Protective Cover, 8000 Series



HIGH CAPA
The Most Advanced Coll

Since 1970, **AIMCO** has been providing Global Assembly and Critical Bolting Tooling solutions for the Automotive, Electronics, Aerospace, Energy Services, and General Assembly Industries.

Headquartered in Portland, Oregon, **AIMCO** has become a leading importer and exporter of industrial power tools. **AIMCO** currently exports to over 33 countries including Mexico, Brazil, Germany, France, Korea, China, the UK, India, Denmark, and most recently in Russia.

In 1999, AIMCO began manufacturing its **AcraDyne®** line, which produces a complete line of D/C Controlled Tools and custom built multiple spindle systems. Our service, repair, and calibration labs provide fast turnaround on repairs; additionally, all electronic torque equipment meets NIST standards.

If **Productivity, Ergonomics, Reliability, and Quality** are driving forces in your business, then let **AcraDyne®** be your value-added partner. **AcraDyne®** provides cost effective solutions for our customers by resolving challenges related to tightening and critical bolting strategies, tool selection and installation, joint failure analysis, audit trails, and methods. This, combined with operator training, maximizes the production efficiencies our tools provide.

AcraDyne® produces a complete line of D/C Controlled Tools as well as custom built multiple spindle systems ranging from approximately .5 to 8,100 Nm. **All Made in the USA.**

Our strategically located sales force, coupled with our worldwide distribution, make **AcraDyne®** the right choice for you.



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