

Gen IV **ACE** Controller Platform



**ULTIMATE FLEXIBILITY FOR TOTAL
CONTROL**



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 DC Controlled Tools (ranging in torque from .5 to 12,000 Nm), custom built multiple spindle systems, and cutting edge tool controllers. 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 AIMCO be your value-added partner. AIMCO 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.

It is with great pride that AIMCO can say the products that we manufacture are **MADE IN THE USA.**

AcraDyne GEN IV ACE Controller Platform

AIR • CORDLESS • ELECTRIC

CONTROL • MONITOR • REPORT

AcraDyne's new GEN IV ACE controller platform is a single controller platform that commands all transducerized tools in the AIMCO portfolio. You now have the flexibility and freedom to control AcraDyne's DC and Battery powered tools, Uryu's DC and Air powered tools.



- **The same, simple programming for all tool types**
- **No additional controller training needed for different platforms (tool type specific knowledge is required)**
- **One common communication for your global data collection, line controls, and fieldbus platforms**

SYSTEM PORT

- **USES STANDARD USB TYPE-B CABLE**
- **EASILY CONNECT TO ANY COMPUTER TO RUN SOFTWARE, PROGRAM YOUR CONTROLLER, AND DOWNLOAD DATA AND CURVES**

TOOL CONNECTOR

- **TOOL CONNECTOR VARIES BY TOOL TYPE**

USB PORTS (4)

- **BACKUP AND RESTORE**
- **UPDATE SOFTWARE**
- **DOWNLOAD DATA AND CURVES**
- **EXPANDABLE USB PERIPHERALS**

ILLUMINATED ON/OFF SWITCH

POWER CONNECTOR (110V / 220V)

MOUNTING BRACKET WITH WIRE AND CABLE ROUTING CHANNELS.

DUAL ETHERNET PORTS

- **ENABLES TWO NETWORKS SIMULTANEOUSLY FOR SEPARATE LINE CONTROL AND DATA COLLECTION**
- **SUPPORTS ANY INDUSTRY STANDARD PROTOCOL**
- **REMOTE SYSTEM MONITORING, PROGRAMMING, AND DATA DOWNLOAD**

SERIAL PORT

- **DATA STRING OUTPUT**
- **SERIAL PROTOCOLS**
- **BAR CODE SCANNERS**
- **PRINTERS**

24V I/O (Assignable)

- **8 In/8 Out**

FIELDBUS PLATFORM

- **SUPPORTS CC-LINK, DEVICENET, PROFINET, PROFIBUS, AND ALL PLATFORMS OFFERED BY **

Your ACE in the hole for total CONTROL

AcraDyne's ACE controller platform commands all tools in the AIMCO portfolio:

- AcraDyne
 - DC Tools
 - Cordless Battery Tools
- Uryu
 - Air Powered Tools
 - Electric Tools





GEN IV ACE iEC Controller for all AcraDyne DC Tools

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** TWO PORTS
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

* Add (-T) to model number for top exit tool cable option. For fieldbus options add: P = Profibus, C = CC Link, D = DeviceNet, N = ProfiNet. Other fieldbus options available upon request.

** Ethernet channel supports the Open Protocol, Toolsnet, EtherNet/IP, Modbus/TCP, and other protocols.



GEN IV ACE iAC Controller for Transducerized Uryu Air Tools

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)	SOLENOID SHUT OFF ON BOARD	PROGRAMMABLE REGULATOR ON BOARD	ETHERNET** TWO PORTS
iAC4E	X	L/D		X	X			X
iAC4EV	X	L/D	X	X	X			X
iAC4EG	X	L/D/G		X	X			X
iAC4EGV	X	L/D/G	X	X	X			X
iAC4ES	X	L/D		X	X	X		X
iAC4ESV	X	L/D	X	X	X	X		X
iAC4ESG	X	L/D/G		X	X	X		X
iAC4ESGV	X	L/D/G	X	X	X	X		X
iAC4ESR	X	L/D		X	X	X	X	X
iAC4ESRV	X	L/D	X	X	X	X	X	X
iAC4ESRG	X	L/D/G		X	X	X	X	X
iAC4ESRGV	X	L/D/G	X	X	X	X	X	X

* Add (-T) to model number for top exit tool cable option. For fieldbus options add: P = Profibus, C = CC Link, D = DeviceNet, N = ProfiNet. Other fieldbus options available upon request.

** Ethernet channel supports the Open Protocol, Toolsnet, EtherNet/IP, Modbus/TCP, and other protocols.



GEN IV ACE iBC Controller for all AcraDyne Transducerized Battery Tools

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** TWO PORTS
iBC4E	X	L/D		X	X	X
iBC4EV	X	L/D	X	X	X	X
iBC4EG	X	L/D/G		X	X	X
iBC4EGV	X	L/D/G	X	X	X	X

* For Zigbee option, add -Z to the end of the model number. For fieldbus options, add: P = Profibus, C = CC Link, D = DeviceNet, N = ProfiNet. Other - options available upon request.

** Ethernet channel supports The Open Protocol, Toolsnet, EtherNet/IP, Modbus/TCP, and other protocols.



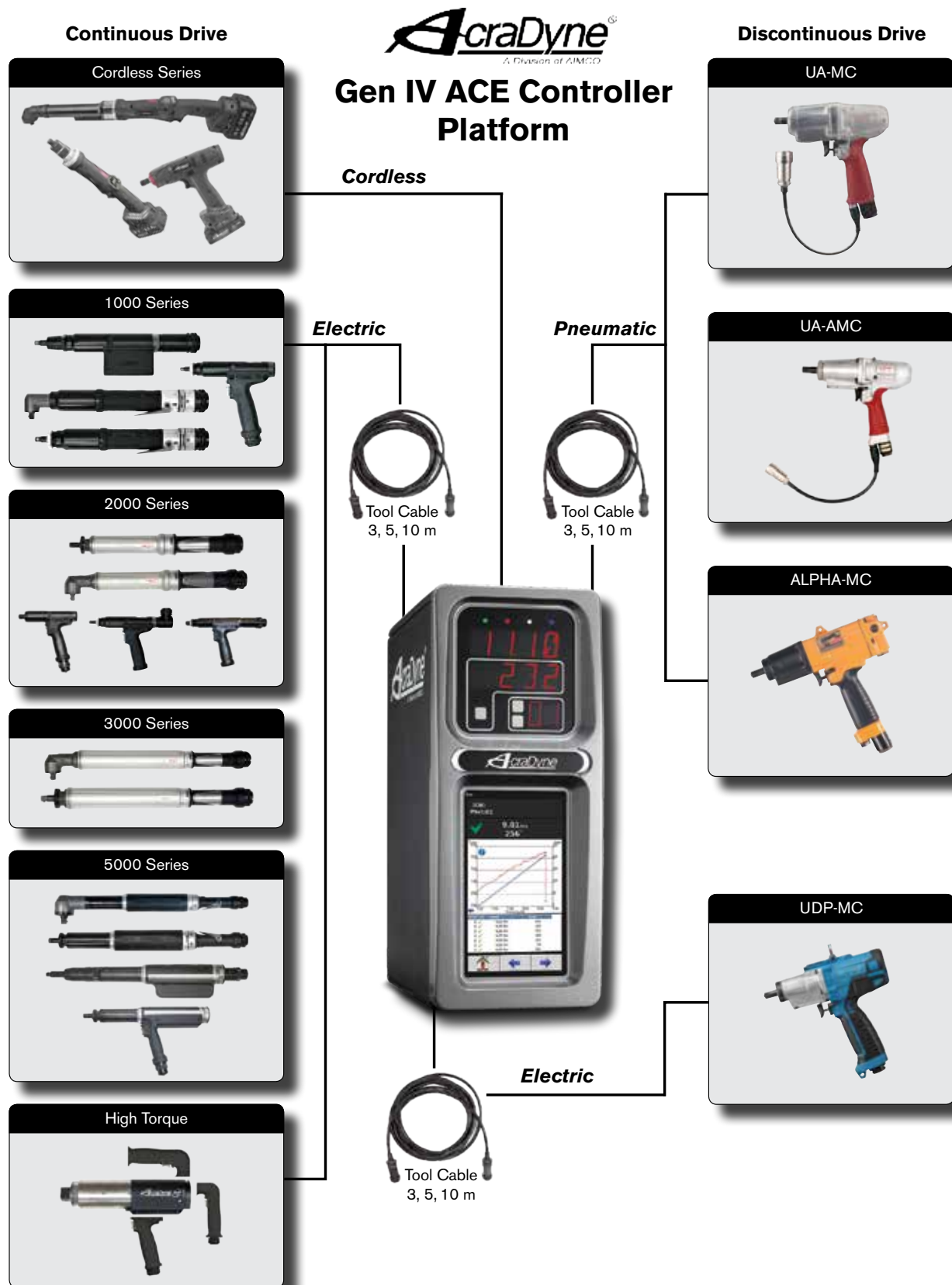
GEN IV ACE iPC Controller for Uryu UDP Transducerized DC Pulse Tools

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** TWO PORTS
iPC4E(1)(2)	X	L/D		X	X	X
iPC4EV(1)(2)	X	L/D	X	X	X	X
iPC4EG(1)(2)	X	L/D/G		X	X	X
iPC4EGV(1)(2)	X	L/D/G	X	X	X	X

* Select (1) for 110V or (2) for 220V operation.

Add (-T) to model number for top exit tool cable option. For fieldbus options add: P = Profibus, C = CC Link, D = DeviceNet, N = ProfiNet. Other fieldbus options available upon request.

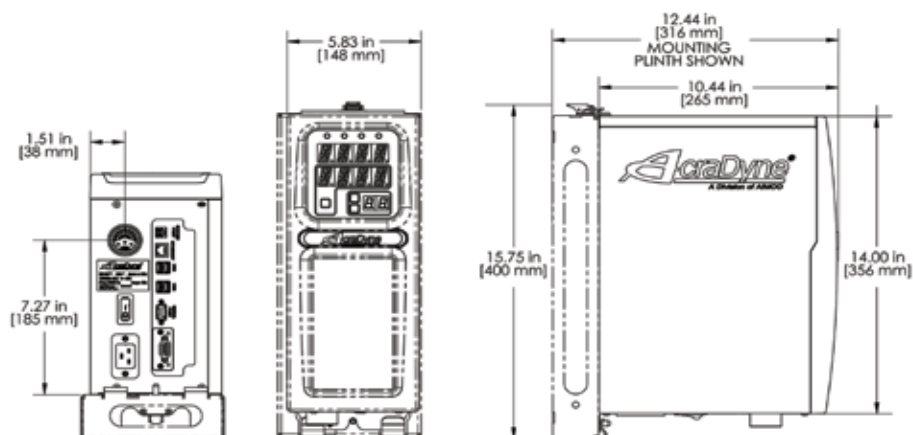
** Ethernet channel supports The Open Protocol, Toolsnet, EtherNet/IP, Modbus/TCP, and other protocols.



NETWORK CONNECTIVITY



DIMENSIONS

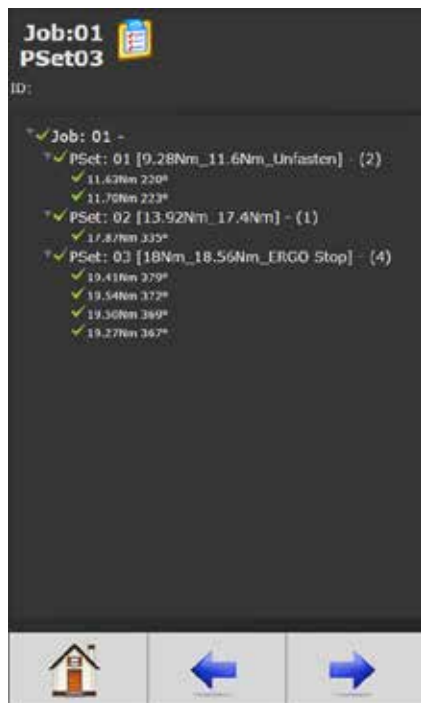


WIDTH	HEIGHT	DEPTH	WEIGHT
5.83 in / 148 mm	15.75 in / 400 mm	12.44 in / 316 mm	15.65 lbs / 7.1 kg

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.

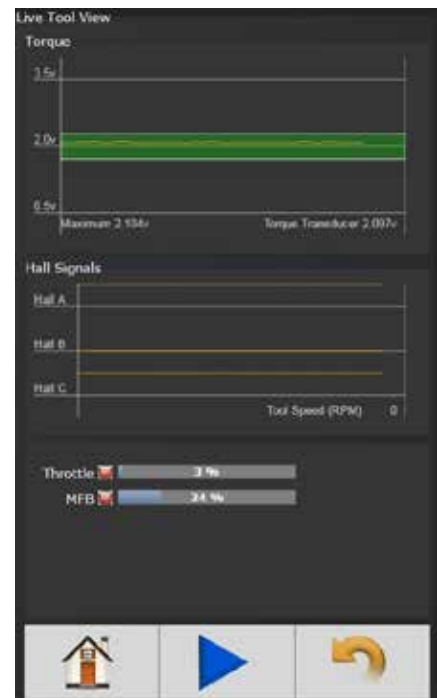
The software is based on a standard web browser, allowing you to connect the AcraDyne controller with any computer, tablet, or smart device. Connect through Ethernet, USB, or wirelessly via a network connected to both devices.



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 view stored results. As many as 10,000 curve results can be stored in memory.



Tool programming and diagnostics for repair, calibration and advanced troubleshooting.



Choose from several run screens that display easy to view, large screen indicators.



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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