

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS
Experienced engineers and technicians on staff at our full-service, in-house repair center

WE BUY USED EQUIPMENT
Sell your excess, underutilized, and idle used equipment
We also offer credit for buy-backs and trade-ins
www.artisantg.com/WeBuyEquipment ↗

InstraView™ **REMOTE INSPECTION**
Remotely inspect equipment before purchasing with our interactive website at ***www.instraview.com*** ↗

LOOKING FOR MORE INFORMATION?
Visit us on the web at ***www.artisantg.com*** ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

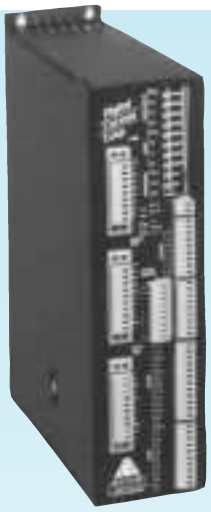
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Digital Servo Controllers

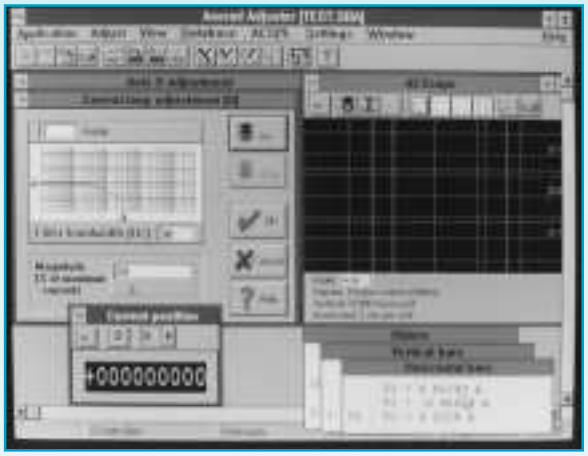
D-Serv/ M-Serv





- Matched to all Anorad linear motors
- 1-3 axis digital servo controllers
- Integral digital amplifier and power supply
- Sinusoidal software commutation
- Graphical User Interface with Softscope
- 20 kHz servo update rate, per axis

Many other Anorad servo controllers are available, including bus based (PC & VME) and C-programmable. Anorad linear motors also work with many third party controls. Contact factory for details.



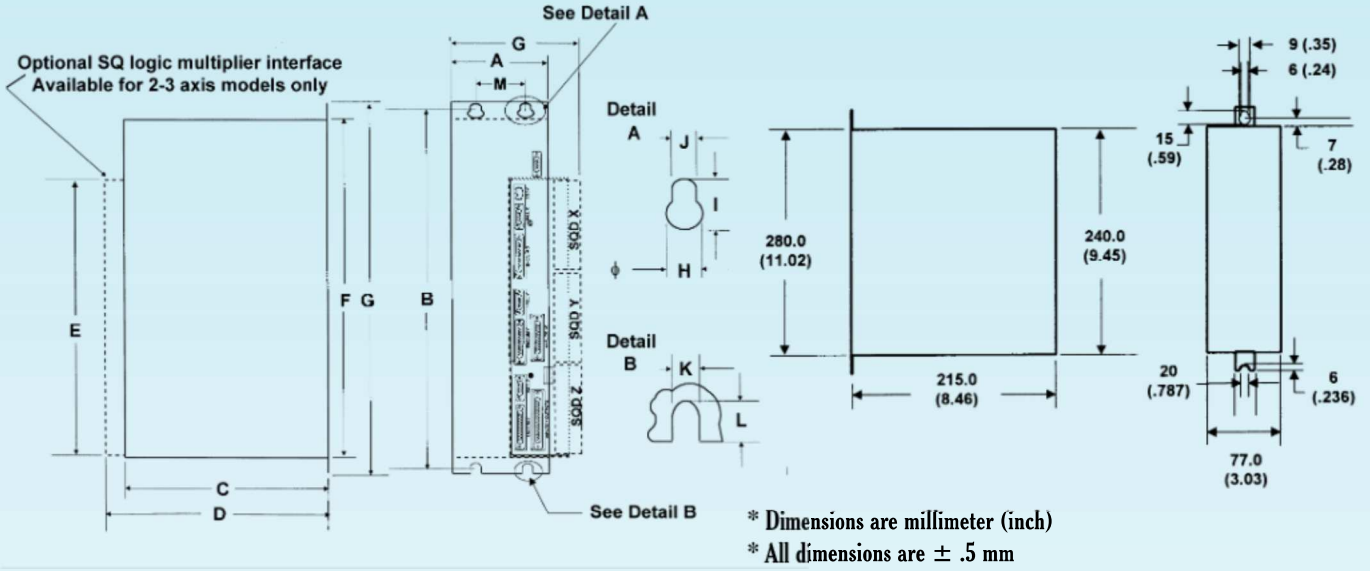
Specifications

Number of Axes	1			2	3
Model Number	M-Serv-MLH-1	D-Serv-DLM-1	D-Serv-DLH-1	D-Serv-DLM-2	D-Serv-DLM-3
Order Number	70641-A	70782-A	70642-A	71028-A	70855-A
Continuous Output Current (RMS)	2.1 A	7.1 A	10.6 A	4.6 A	4.6 A
Peak Output Current (RMS)	4.3 A	14 A	21 A	9.2 A	9.2 A
AC Input Voltage	85 Vac - 240 Vac	115 or 230 VAC			
	47-63 Hz Single Phase	47-63 Hz Single or 3 Phase			
Bus Voltage @ 230 VAC	320 Vdc				
Bus Voltage @ 115 VAC	170 Vdc				
Continuous Power	25 W	100 W			
Peak Power	1K W	1.5 KW			
Update Period	50 µs (20kHz)				
Current Resolution @ 2 kHz	14 BITS				
Velocity Resolution	14 BITS				
Current Loop Bandwidth	2.5 kHz				

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D-SERV

M-SERV



ORDER NO.	Controller	# axes	A	B	C	D	E	F	G	H	I	J	K	L	M
70782-A, 70642-A	D-Serv	1	80 (3.15)	338.5 (13.33)	230 (9.06)	n/a	n/a	302 (11.89)	348 (13.70)	8 (.32)	11 (.43)	5 (.20)	5 (.20)	8 (.32)	50 (1.97)
71028-A, 70855-A	D-Serv	2 or 3	154 (6.06)	429 (16.89)	258 (10.16)	281.94 (11.10)	330.2 (13.00)	404 (15.91)	450 (17.72)	12 (.47)	18 (.71)	7 (.28)	7 (.20)	18 (.71)	100 (3.94)
70641-A	M-Serv	1	-	-	-	-	-	-	-	-	-	-	-	-	-

Controller

- Servo update rate: 20 kHz
- Servo algorithm: Second order filter, acceleration and velocity feedforward
- Position range: ± 999,999,999 counts
- Velocity range: ± 1 to 20,000,000 counts/sec (D-Serv)
  ± 1 to 10,000,000 counts/sec (M-Serv)
- Acceleration range: 1,000 to 127,000,000 counts/s^2

Software Attributes

- Error-mapping, Real-time data collection, Position event generator (optional)
- Built-in motion modules: linear and repetitive point-to-point move, search for contact , jogging, master-slave, electronic cam, registration mark moves, index searching at any speed
- Conditional statements, special states and variables which reflect motion, arrays, variables, counters, nested subroutines, arithmetic and logical expressions
- Automatic execution routines, interactive data entry

Communication/Inputs/Outputs

- Communication: RS232, RS422, up to 9,600 baud
- Encoder input: 3 channel differential line receiver
- Analog inputs: ± 10 V, 12 bit resolution
  (2) /axis D-Serv, (1) /axis M-Serv
- Analog outputs: (1) /axis ± 10V, 10 bit resolution
- Dedicated inputs: (2) limits, opto-isolated, 5V /axis, (1) drive fault
- Digital inputs: (8) single, (16) multi axis, opto-isolated D-Serv;
  (6) opto-isolated M-Serv
- Digital outputs: (8) single, (16) multi-axis, opto-isolated
  Supported by a built-in 24V isolated supply
  50 mA output sink capability D-Serv
  (2) opto isolated, CE floating M-Serv
- Brake driver: Built in 24V (0.75A) for brake/clutch control/axis (single axis D-Serv only)

Protection, Diagnostics and Error Handling

- All errors handled by automatic routines
- Programmable software limits, stall and dynamic force limits
- Automatic drive shutdown when: emergency stop is activated, position feedback signal is lost, user-defined position error is exceeded, five volt overvoltage, and overheating
- Automatic warning if the axis moves away from its target by more than a pre-defined distance
- Host communication with check-sum validation
- Immediate status response to “begin motion” commands indicating either a successful execution or a reason for failure
- Immediate detailed error message for abnormal motion termination
- I/O status and memory integrity
- Built-in hardware watch-dog timer

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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