

Compumotor ZETA4
Motor Drive



\$745.00

In Stock

Qty Available: 10+

Used and in Excellent Condition

Open Web Page

<https://www.artisanng.com/48800-1>

All trademarks, brandnames, and brands appearing herein are the property of their respective owners.



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

Artisan Technology Group

(217) 352-9330 | sales@artisanng.com | artisanng.com

- Critical and expedited services
- In stock / Ready-to-ship

- We buy your excess, underutilized, and idle equipment
- Full-service, independent repair center

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

Specifications – ZETA4, ZETA8, ZETA12, and ZETA4-240

Parameter		Value			
Power		ZETA4	ZETA8	ZETA12	ZETA4-240
	AC Power Input	---- 95-132VAC Single Phase, 50/60Hz ----			95-264VAC Single Phase, 50/60Hz
	Motor Current (A _{pk})	0-4 Amps	0-8 Amps	0-12 Amps	0-4 Amps
	Bus Voltage	-----	170 VDC nominal	-----	@120VAC: 170VDC nominal, @240VAC: 340VDC nominal
Performance	Accuracy	±5 arc min (0.0833°) typical. Unloaded-bidirectional with Compumotor supplied motors. Other motors may exhibit different absolute accuracy. ±1 arc min (0.0167°) Loaded-in addition to unloaded accuracy, per each frictional load equal to 1% rated torque.			
	Repeatability	±5 arc sec (0.0014°) typical. Unloaded-one revolution returning to start point from same direction.			
	Hysteresis	Less than 2 arc min (0.0334°) unloaded-bidirectional.			
	Resolution	16 selectable choices: 200, 400, 1000, 2000, 5000, 10000, 12800, 18000, 20000, 21600, 25000, 25400, 25600, 36000, 50000, 50800			
	Waveform	Selectable. Allows waveform shaping for optimum smoothness or relative accuracy. Pure sine; -4%, -6%, -10% 3rd harmonic.			
Motors	Type	2-phase hybrid permanent magnet, 1.8 degree.			
	Breakdown Voltage (HIPOT)	1,150VDC @ 120VAC input; 1,900VDC @ 240VAC input			
	Number of Leads	4, 6 or 8			
	Accuracy Grade	3%			
	Inductance	0.5 mH minimum; 5 to 50 mH recommended range; 100 mH max			
Amplifiers	Type	20 kHz fixed frequency, variable duty cycle PWM (pulse width modulated). Current controlled, bipolar type.MOSFETconstruction.			
	Number of Phases	2			
	Protection*				
	• Short Circuit	Phase-to-phase, phase-to-ground.			
	• Brownout	If AC supply drops below 85VAC.			
	• Over-temperature	Over-temperature shutdown fault at 113°F (50°C)			
	Auto Standby	If selected, motor current ramps to 50% of preset value if no step pulses are received for 1 second. Current levels are resumed upon receipt of next step pulse.			
	Automatic Test Function	This feature (used primarily for testing and verification of correct wiring) rotates the motor at approximately 1 rps in the negative (CCW) direction.			
	Step Input	High-going pulse, 200 nsec min. width; max. pulse rate is 2 MHz.			
	Direction Input	Logic High = positive (CW) rotation. Logic Low = negative (CCW) rotation. Direction input may change polarity, coincident with first step pulse.			
	CW/CCW Input	Dip switch selectable. High-going pulse, 200 nsec min width; max pulse rate is 2 MHz.			
	Shutdown Input	Logic High = amplifier disable. Logic Low = normal operation.			
	Reset Input	Logic High = drive held in reset. Logic Low = normal operation.			
Fault Output	Conducting = normal operation. Not Conducting = drive fault				
Environmental	Operating drive	32°F to 113°F (0°C to 45°C) Fan cooling may be required if airflow restricted.			
	Storage drive	-40°F to 185°F (-30°C to 85°C)			
	Motor	212°F (100°C) maximum motor case temperature. Actual temperature rise is duty-cycle dependent.			
	Humidity	0-95%, non-condensing			
Certifications	UL Recognized	ZETA4, ZETA4-240, ZETA8, ZETA12			
	CE (LVD)	ZETA4, ZETA4-240, ZETA8, ZETA12			
	CE(LVD & EMC)	ZETA4-420, ZETA8, ZETA12 provided the following items are used and installed properly:			
	(EMC for CISPR22/ EN55022 Class B)**	• CE(LVD) motor. Compumotor recommends a terminal board (NPS) motor construction for easier installation • C10 (C10H) motor cable accessory (LVD/EMC cable kit) • ZETA EMC KIT			
	Low Noise (FCC Class B)**	ZETA4-420, ZETA8, ZETA12 provided the following items are used and installed properly: • CE(LVD) motor. Compumotor recommends a terminal board (NPS) motor construction for easier installation • C10 (C10H) motor cable accessory (LVD/EMC cable kit) • ZETA EMC KIT			
* Drive shuts down in conditions listed					
** System compliance					

* Drive shuts down in conditions listed
** System compliance

ZETA Series: True Innovation In Microstepping Technology. Call 1-800-358-9070 Today.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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

Learn more!

Visit us at [artisanng.com](https://www.artisanng.com) for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisanng.com | [artisanng.com](https://www.artisanng.com)

