

# MICOS

MOTION CONTROL & OPTICS **USA**

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MICOS USA • 15375 BARRANCA PARKWAY • STE G101 • IRVINE • CA 92618 • PHONE 949 480 0538 • FAX 949 480 0538

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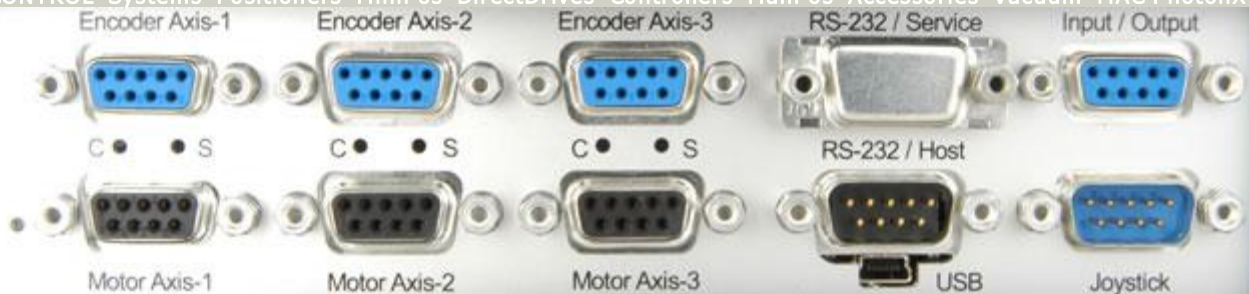
◀ 5.047 ▶ **SMC-series** SMC corvus eco

Controllers



### Key features

- 2/3 Axes Microstep-Controller Desktop System
- High-Resolution-Microstep
- 85--250V-AC input voltage (worldwide)
- 133 MHz RISC Processor with Flash-Memory
- Velocity-range <math><0.1 \mu\text{m/s}</math> with 1 mm pitch
- Linear Interpolation of all axes
- RS-232 115 KBaud / USB mini Standard
- Venus-1 compatible string-based command-language
- 2/3 Axes Joystick
- Closed-Loop Mode RS422 / Vss
- Digital I/O
- Trigger Output
- Position-correction static
- Temperatur-sensor input
- Description, please looking on page [5.010](#)



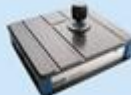
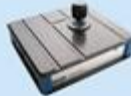
### Technical data

Axes	3 or 2 Axes 2 phase stepper-motors
Computer-Interface	RS-232 and USB mini

Power-Configuration	85-250V-AC input voltage (worldwide)
Limit-Switches	2 per axis software configurable
Trajectory mode	linear interpolation
Velocity-range	<0.1 $\mu\text{m}$ ... 15 rev/s with (200 step motor)
Program & Parameter	Flash-Memory
Amplifier	24 V DC, with short-circuit & temperature protection
Phase-current:	max. 1.5 A
Housing	Desktop 65x225x216 mm [HxWxD]
Standard delivery includes:	Software CD, Manual as PDF, USB-drivers (Virtual ComPort VCP-drivers) Winpos-light user-interface, DLL-API Delphi/C++/VB examples, LabVIEW™ VI's and examples, RS-232 & USB cables, Power-cord US

MOTION CONTROL Systems Positioners MiniPos DirectDrives Controllers ManPos Accessories Vacuum MAC PhotonX M A C

### SMC corvus eco Ordering information

SMC corvus eco		Order-No.
2 axes	Microstep Controller	7170-9-006
2 axes & Joystick	Microstep	
	Controller	
3 axes	Microstep Controller	7170-9-007
3 axes & Joystick	Microstep	
	Controller	

SMC corvus eco options		Order-No.
Closed Loop [TTL]	For quadrature encoders RS-422 per axis	7170-9-201
Closed Loop [Vss]	For sin/cos encoders Vss per axis	7170-9-202
Speed Upgrade	25 rev/sec. (200 fullstep)	7170-9-204
Digital I/O	Digital I/O 3x Inputs (5-24V) 3x Outputs (5-24V)	7170-9-203
Trigger-Out	Trigger-Out function	on request
StPCor	Static position-correction	on request
Winpos	Full version Software	on request
Brake Logic	Brake Logic for one axis	on request

