

MICOS

MOTION CONTROL & OPTICS **USA**

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◀ 5.014 ▶ **SMC-series** SMC basic

Controllers



Key features

- 2 Axes Microstep-Controller system
- High-resolution Micro-Step
- Velocity-range 0.0001 ...12.5 mm/s
- Linear interpolation of all axes
- 32-Bit high speed RISC-Processor inside
- Flexibility by on board programmable FPGA logic
- Serial interface RS-232
- Easy to use Windows® user interface WINPOS.EXE
- Non-volatile memory (flash-memory)
- Manual mode with analog joystick
- Positioning error correction in real-time
- Linear or sin2 acceleration curve
- Gradation in price and performance
- 85-250V (AC) input voltage (worldwide)
- Switch input to select different Joystick speed values

Technical data

Supply Voltage	85-265 VAC autoselecting 40..400 Hz
Power Consumption	50 W
Amplifier Voltage	15 V
Phase-currents	1.2 A/Phase
Resolution	15,26 nm, internal 300000 Microstep !
Velocity-range	0.1 µm .. 12,5 mm/s with 200 Step Motor



2/3 axes analog joystick


Limit-switches	2 per axis, software configurable
Trajectory mode	linear interpolation
Program&Parameter	Flash-Memory
Computer Interface	RS-232
Description, please looking on page 5.010	

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

SMC basic Ordering information

SMC basic	Order-No.
2 axes SMC basic Microstep Controller 15V-1.2A	7160-9-010
4 axes SMC basic Microstep Controller 15V-1.2A	7160-9-012

SMC basic-options	Order-No.
2 axes analog joystick	7160-9-100
Winpos full version software	7160-9-104
SMC basic I/O Module 3-IN 4-OUT	7160-9-116
SMC basic I/O Position-Error-Correction	7160-9-117

Founded in 1990, MICOS specializes in the development, manufacturing and marketing of ultra-high precision positioning components and systems for research and industry. We are experts in vacuum, ultra-high vacuum, clean room, and extreme climate environments down to 77 Kelvin. 

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