

Modular Motion Controller | MMC-10

www.micronixusa.com | info@micronixusa.com | phone: +1 (949) 480 0538 | fax: +1 (949) 480 0538

The MMC-10 is a low cost, ultra compact piezo motor controller. It allows speeds beyond > 2mm/s with our patent-pending multi-phase piezo motor. Multiple units can be stacked as a compact multi-axis module and interface with a computer via a single USB and RS-485 cable. MICRONIX Motion Control Language allows for easy programming through simple ASCII commands.

Not recommended for new designs

KEY FEATURES

- Integrated controller for stick-slip, multi-phase piezo stages
- Ultra Compact design
- USB 2.0 and RS-485 interface
- Windows GUI and LabVIEW VI

TECHNICAL DATA

Axes	1
Motor type	Piezo Motor, PM-002
Interface	USB 2.0, RS-485
Commands	ASCII commands
Power	Regulated 24 V DC (0.2 A per axis)
Speed, max	> 2 mm/s
Resolution	1 nm
Trajectory mode	Trapezoidal velocity profile
Trajectory update frequency	1 kHz
Servo clock frequency	10 kHz
Program storage	16 storable programs
Software	Windows GUI, LabVIEW VI

ORDERING INFORMATION

MMC-10- 0 0 0 0 0

AXES

1 Axis 1

POWER SUPPLY

24V, 1.5A 0

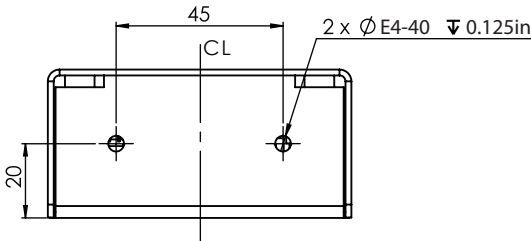
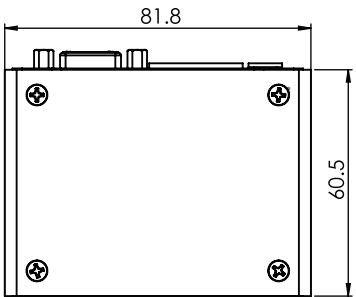
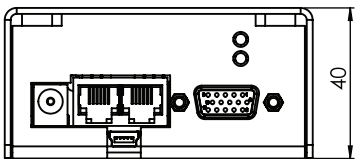
24V, 2.7A 1

ENCODER INTERFACE

Analog (1 Vpp) 0

Digital (RS-422) 1

† please contact support for larger stacks



Specifications are subject to change without notice.