

Advanced Photon Source



AOD Beamline Controls Group

ACS MCB-4B Motion Controller/Driver

The MCB-4B is an integrated stepping motor controller/driver board capable of controlling four motors simultaneously. It is controlled by a host computer, via a serial communications port, executing a comprehensive, easy to use, instruction set.

MCB-4B



Features:

- Drives four 2-phase stepping motors; 3 Amps per phase.
- High efficiency, low noise motor drivers, full step, half step, mini step.
- Stepping rates up to 50,000 steps/sec.
- Up to 16.7 million steps per move.
- Programmable acceleration/deceleration.
- Home and two limits inputs for each motor.
- Motor currents shut-off switch.
- Nonvolatile memory for motion control variables.
- Comprehensive instruction set.
- Four toggle switches for manual jog control.
- RS-232 and RS-485 communications ports.
- 19 inch rack enclosure for multiple boards available.
- Single board enclosure also available.

<http://www.acsmotion.com>