ACUTRONIC announces the ACUTROL®3000 Digital Motion Controller

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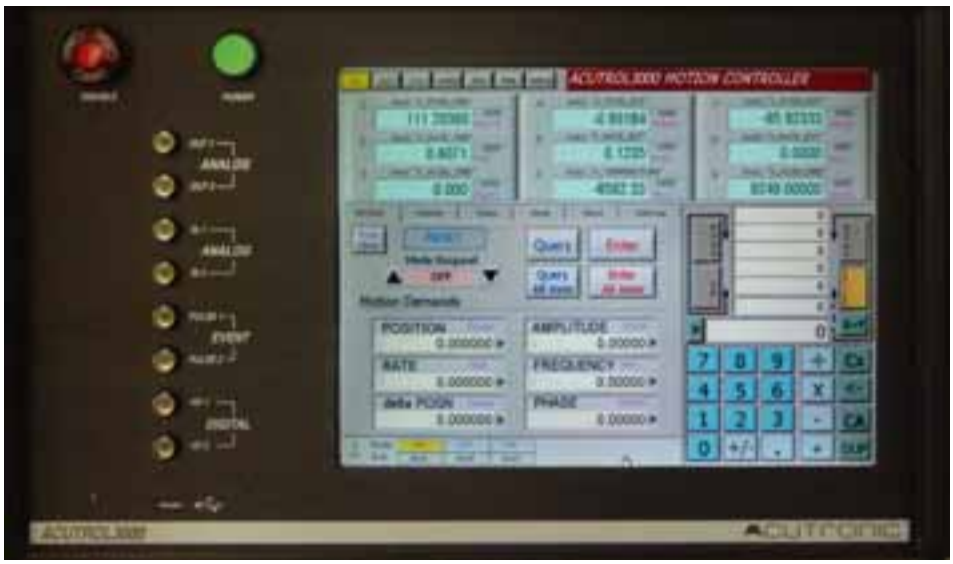
With the ACUTROL3000 ACUTRONIC presents the next generation motion controller for inertial guidance test tables and flight motion simulators.



ACUTROL3000
Digital Motion Controller
Front Panel Graphical Interface.

ACUTRONIC is pleased to announce the availability of the ACUTROL3000 Digital Motion Controller. The ACUTROL3000 represents the next generation motion controller for inertial guidance test tables and flight motion simulators. The ACUTROL3000 is software compatible with and replaces the ACUTROL2000 and ACUTROL1000 family of motion controllers.

The ACUTROL3000 is available in a single chassis version to support 1, 2, or 3 axes. It is also available with an internal power amplifier (ACUTROL3000PA) for supporting 1 or 2 axes. Available interfaces include GPIB and TCP/IP for low speed communication and SCRAMNet+, VMIC, and DRV11J parallel interfaces for high speed asynchronous communication.

The ACUTROL3000 provides digital loop rates up to 5 kHz/axis and has built in data logging to capture controller internal variables. Both analog and digital I/O are accessible through the front panel of the controller. Axis frequency response data may be recorded and then displayed on the front panel graphical display.

The ACUTROL3000 may be integrated with a variety of position feedback devices such as resolvers, inductosyns or optical encoders. State estimators are incorporated to provide full motion state feedback to the servo controller. It directly interfaces to DC Brush, DC Brushless, and hydraulic actuation systems to control precision rotary or linear motions. As such, it is available for upgrade of existing ACUTRONIC motion simulators as well as motion simulators built by other manufacturers.

An overview of the ACUTROL3000 features is described in the “Innovation” section on page 6.]