

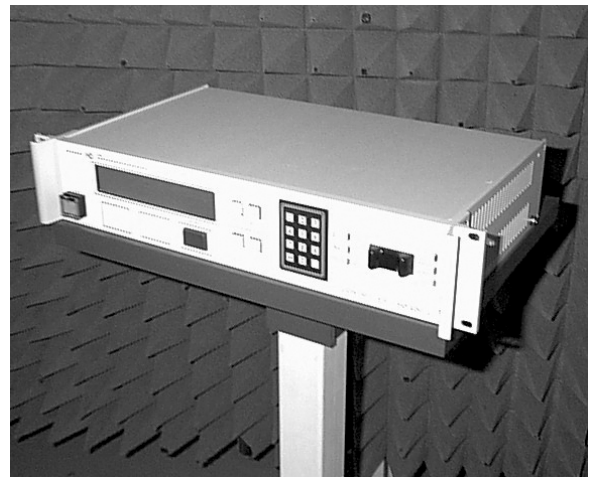
Our **HD series** controllers are suited for the operation of antenna masts, turntables, slide bars, scanners, and other positioning control equipment. These controllers permit operation in **Direct Positioning**, **Manual**, **Step**, and optional **Continuous** modes via the front panel.

**Direct Positioning** mode allows target positions to be entered directly for movement to specific test positions. In **Manual** mode, positioners are moved by pressing a pressure-sensitive thumb joystick to the desired position. Positioning speed is controlled by varying the pressure on the joystick, allowing the operator to hone in on a position for peaking operations. Incremental movement is possible in **Step** mode for instances where multiple tests are taken at various positions. Step increment is adjustable in individual increments to a maximum of one fourth of the total range of motion for that axis.

**Continuous** mode allows a full 360° rotation for azimuth and polarization axis where continued movement through the 0 reference is required. Rotary joints and slip rings built into positioning devices are recommended for **Continuous** mode.

Store and Recall functions allow the user to save up to 50 preset positions to the positioning device being used for recall at a later time. When recalled, the positioner moves to the desired position by its numeric location. The Setup menu permits changing the speed and acceleration of movement and rotating speed of the drive motors. A Remote function allows control from a PC via preprogrammed sequence or direct terminal input over **RS-232** or optional IEEE interfaces. All controller commands, (except for **Manual**) can be transmitted via the remote IEC bus. Remote command inputs are subject to a syntax check and are displayed as an error if appropriate. Erroneous commands are not carried out.

The **HD-2002/U** can control the operation of up to four devices with three axis. Additionally, the **HD-202/E** is a cost-effective solution for controlling a single three-axis device. Optional remote interfaces and Fiber control interfaces are available upon request.



## CONTROLLER HD-2002/U

### FEATURES:

- Digital controller
- Ergonomic Control Panel
- Manual LED Feedback Position Keys
- Store and Recall functions
- Windows Control Software
- Step Feature
- Programmable Reference Position
- Programmable Sequencing
- Control up to 25 Devices
- Precision manual control via ACCUTRAK Joystick control

## SPECIFICATIONS

	HD-202/E	HD-2002/U
<b>DATA INTERFACE</b>	Interface RS232 optional IEEE	Interface RS 232 optional IEEE 488
<b>DEVICE INTERFACE</b>	N PIN MS Connector optional fiber optic	N PIN MS Connector optional fiber optic
<b>DISPLAY</b>	2 x 40 characters	4 x 40 characters
<b>VOLTAGE</b>	230V/110V	230V/110V
<b>CURRENT CONSUMPTION</b>	15W	20W
<b>FUSE</b>	T 0.063A, 250 V	T 0.125 A, 250 V
<b>W x D x H</b>	17 x 35 x 12 in.	17 x 35 x 12 in.
<b>WEIGHT</b>	9 lbs.	10 lbs.
<b>TEMPERATURE RANGE</b>	5°C - 40°C	5°C - 40°C