

**EAP-1000 Elevation over Azimuth Positioning System:**

The EAP-1000 consists of the Elevation-over-Azimuth Positioner (EAP), controller (ACU-3D-24) and cables required for power and control of the positioner. A riser (up to 8 feet tall) and counter weights are included. See Photos.

The load capacity of the system is 1000 lbs with a 10g vertical shock rating.

The positioner up to +/-200 degrees of motion in the azimuth axis. It is designed for reliable operation in outdoor environments, and is designed to meet MIL-STD-810E.

The control unit can be remotely located to facilitate integration with the end user's system. It can be controlled locally using front panel controls or remotely via serial Interface (RS-232) using simple, well defined commands. The control unit is suitable for mounting in an equipment rack or on a table. The controller is designed to meet MIL-STD-810E for indoor operation.

**RANGE of MOTION**

Azimuth: +200° to -200°  
Elevation: -10° to 190°

**POSITIONING ACCURACY**

Azimuth: ±0.1°  
Elevation: ±0.1°

**CONTINUOUS TORQUE**

Azimuth: 18,000 in lbs (1,500 ft lbs)  
Elevation: 123,000 in lbs (10,260 ft lbs)

**VELOCITY:**

Azimuth: 1 - 6 deg/sec  
Elevation: 1 - 6 deg/sec

**ACCELERATION:**

Azimuth: 6 deg/sec<sup>2</sup>  
Elevation: 6 deg/sec<sup>2</sup>

**POWER INPUT:**

Controller 120VAC/60Hz

**WEIGHT:**

Positioner: 700 lbs (318 kg)  
Controller: 50 lbs (23 kg)

**POSITIONER:**

Operational Temperature: 0°-131°F  
(-20° to 55°C)  
Relative Humidity: 0 to 100%





