

EAP-500 Elevation over Azimuth Positioning System:

The EAP-500 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 500 lbs with a 10g vertical shock rating.

The positioner provides 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: ±0.25°
Elevation: ±0.25°

CONTINUOUS TORQUE

Azimuth: 500 ft lbs
Elevation: 1000 ft lbs

VELOCITY:

Azimuth: 1 - 20 deg/sec
Elevation: 1 - 20 deg/sec

ACCELERATION:

Azimuth: 20 deg/sec²
Elevation: 20 deg/sec²

POWER INPUT:

Controller 120VAC/60Hz

WEIGHT:

Positioner: 720 lbs (327 kg)
Controller: 50 lbs (23 kg)

POSITIONER:

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





