

AEC-60D Elevation over Azimuth Positioning System

AEC-60D Elevation over Azimuth Positioning System:

Consists of the Two-Axis Positioner AEC-60D, Control Unit (ACU-3D-24-C) and cables required for power and control of the positioner.

Positioner ideally suited for mounting on extendable mast or tripod and provides up to 400° (+/-200°) of motion in the azimuth axis and from -20° to +90° in the elevation axis. Designed for reliable operation in rugged, deployed outdoor environments

The Control Unit can be remotely located to facilitate integration with customers system. Can be controlled Locally using Front Panel controls or Remotely via Serial Interface (RS-232, RS-422 or RS-485) or Ethernet using simple, well defined commands.

SPECIFICATIONS:

RANGE of MOTION

Azimuth: 400° ($\pm 200^\circ$)
Elevation: -20° to 90°

DATA TAKEOFF ACCURACY

Both Axis: 0.011°

POSITIONING ACCURACY

Azimuth: 0.1°
Elevation: 0.1°

CONTINUOUS TORQUE

Azimuth: 125 ft lbs
Elevation: 125 ft lbs

VELOCITY:

Azimuth: 0.5 - 40 deg/sec
Elevation: 0.5 - 40 deg/sec

ACCELERATION:

Azimuth: 25 deg/sec²
Elevation: 25 deg/sec²

POWER INPUT:

Controller: 120VAC/60Hz
or 220VAC/50Hz
Current (depends on load): 5-10A

WEIGHT:

Positioner: 125 lbs (57kg)
Controller: 25 lbs. (11.5kg)

POSITIONER: Operational

Temperature: 0° to 122°F
(-18° to 50°C)
Relative Humidity: 0 to 100%



AEC-60D EI/Az Positioner



ACU-3D-24-C Controller



Typical Installation

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OUTLINE DRAWING: ACE-60D Elevation over Azimuth, 2 Axis Positioner

