

# Azimuth Pointing System (APS)

The APS is a unique GPS-based compass that produces True North azimuth measurements, a GPS position and the degree of inclination - all in one system. You can now align tower antennas or satellite dishes more accurately because the APS is not affected by local magnetic interference from surrounding metal structures.

This simple pointing system is as easy to use as a handheld compass or clinometer. Attach an LTI laser to the APS and instantly measure the height and position of any target.



## Key Features:

- ➔ Provides accurate and reliable True North azimuth\* and inclination data
- ➔ Performs without being affected by local magnetic interference
- ➔ Capable of sub-meter GPS location
- ➔ Qualifies azimuth accuracy through an integrated GPS integrity parameter
- ➔ Measures the distance between two remote targets with a built-in routine
- ➔ Displays graphical satellite signal on custom backlit LCD

\* As long as the GPS antennas have unobstructed access above the horizon and satellite coverage is good.



## Specifications:

### Azimuth Accuracy:

- 0.5° nominal
- < 0.2° with excellent GPS integrity
- > 1.0° with poor GPS integrity
- (GPS integrity is automatically calculated by the APS in real time and displayed on the LCD)

### Tilt Accuracy: ±0.2°

### GPS Coordinate Accuracy:

- < 60 cm (2 ft) with SBAS correction (WAAS, EGNOS, MSAS)
- < 2.5 m (8 ft) autonomous

### Dimension: 10 high x 13 wide x 66 cm long (4" x 5" x 26")

No attached options

### Weight: 1.6 kg (3.5 lbs) No attached options

### Temperature:

-30° to 60° C (-22° to 140° F)

### Sealing: NEMA 4, IP 65

### APS Mounting: 1/4"-20 tripod threads (2) and 5/8"-11 tribrach thread

**Mounting Options:** Sighting scope and laser mounting kit can be mounted via two 6-32 blind holes on each side of the APS

**Internal Battery:** 12 VDC rechargeable lithium ion batteries (~ 7 hours of operation)

**Charger:** Smart charger (1.5 hours max charge time with protection circuit)

**On/Off Button:** Custom membrane panel button with red LED

### Communications:

- Serial output port with cable for logging installation or performance data
- User selectable NMEA data formats for each mode
- Laser input port (APS automatically goes into laser offset mode when the laser is triggered).

### Available Options:

- Soft carrying case with foam
- Ruggedized shipping case (holds soft carrying case)
- Optical sighting scope (1.5 - 4x power)
- Laser Kit
- Mobile Mapping Kit for vehicles
- Antenna Alignment Kit

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**LASER TECHNOLOGY**

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