

MULTI-FREQUENCY, MULTI-GNSS BEACON ANTENNA



The A43 antenna adds precision, reliability, and value to our leading Eclipse™ GPS technology. The A43 antenna is a multi-GNSS precision antenna and is ideal for various applications including construction survey, RTK positioning and navigation, precise guidance, and machine control. Use the A43 antenna in challenging environments (such as near buildings and foliage) as it has superior multipath mitigation, stable phase center and strong SNR's even at low elevations.

GNSS Sensor

Signals Received: GPS L1/L2/L5, GLONASS L1/L2, BeiDou, SBAS, and Galileo E1

GNSS Frequency: 1.200 to 1.253 GHz
 1.525 to 1.613 GHz

LNA Gain: 30 dBn

LNA Noise: 2.0 dB, typical

Beacon Sensor

Beacon

Frequency: 283.5 - 325 KHz

Beacon LNA Gain: 30 dB

L-Band Sensor

L-Band

Frequency: 1.525 - 1.585 GHz

L-Band LNA Gain: 30 dB

Power

Input Voltage: 5-12 VDC

Input Current: 50-60 mA, typical

Mechanical

Enclosure: Lexan

Dimensions: 10.4 H x 14.5 D (cm)

4.1 H x 5.7 D (in)

.73 kg (1.6 lbs)

Weight:

Mount:

1-inch coarse thread (5/8" adapter available)

RF Connector:

TNC (straight)

Environmental

Storage

Temperature: -40° C to +85° C (-40°F to +185°F)

Operating

Temperature: -40° C to +70° C (-40°F to +158°F)

Enclosure Rating: IP69K

Shock/Vibration: EP455

Humidity: 96% non-condensing