Hemisphere®

A43 Antenna

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)
Weight:	.73 kg (1.6 lbs)
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

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