A20 and A30 Antennas

A20

The Hemisphere GPS A-series antennas are tough on multipath. Improve your positioning accuracy by selecting the A-series antenna that is right for your application. The A20™ antenna comes standard with strong multipath rejection for clean tracking of L1 GPS and SBAS signals and ample bandwidth for tracking L-band signals as well. For heading applications and RTK installations, the exceptional phase centre stability keeps your solutions steady and dependable. Watch your accuracy improve by selecting the A-series antenna that is right for you.

GPS, SBAS and L-Band (OmniSTAR®)

GPS Sensor

GPS Frequency Range:	1.575 GHz (L1)
GPS Bandwidth:	20 MHz
GPS LNA Gain:	34 dB
GPS LNA Noise:	1.4 dB typical

Beacon Sensor

Beacon Frequency Range:	N/A
Beacon LNA Gain:	N/A

L-band Sensor

L-band Frequency Range:	1.525 - 1.585 GHz
L-band LNA Gain:	34 dB

Power Input

Input Voltage:	5 - 12 VDC
Input Current:	20-30 mA

Mechanical

Enclosure:	AES
Dimensions:	5.5 H x 13.0 D (cm) 2.2 H x 5.1 D (in)
Weight:	363 g (12.8 oz)
Mounting Options:	Magnetic or Fixed Mount - low or high profile (5/8 inch or no. 8-32 screws)

Environmental

Storage Temperature:	-40°C to +85° C (-40°F to +185°F)
Operating Temperature:	-30°C to +70° C (-22°F to +158°F)
Humidity:	100% Condensing

A30

The Hemisphere GPS A-series antennas are tough on multipath. Improve your positioning accuracy by selecting the A-series antenna that is right for your application. The A30™ antenna comes standard with strong multipath rejection for clean tracking of L1 GPS and SBAS signals and ample bandwidth for tracking L-band signals as well. For heading applications and RTK installations, the exceptional phase centre stability keeps your solutions steady and dependable. If your application also calls for 300kHz beacon tracking, the A30's toroidal ferrite delivers unmatched performance, eliminating directional signal fading. Watch your accuracy improve by selecting the A-series antenna that is right for you.

GPS, SBAS, L-Band (OmniSTAR) and Beacon

GPS Sensor

GPS Frequency Range:	1.575 GHz (L1)
GPS Bandwidth:	20 MHz
GPS LNA Gain:	34 dB
GPS LNA Noise:	1.4 dB typical

Beacon Sensor

Beacon Frequency Range:	283.5 - 325 KHz
Beacon LNA Gain:	34 dB

L-band Sensor

L-band Frequency Range:	1.525 - 1.585 GHz
L-band LNA Gain:	34 dB

Power Input

Input Voltage:	5 - 12 VDC
Input Current:	50-60 mA

Mechanical

Enclosure:	AES
Dimensions:	6.9 H x 13.0 D (cm) 2.7 H x 5.1 D (in)
Weight:	590 g (20.8 oz)
Mounting Options:	Magnetic or Fixed Mount - low or high profile (5/8 inch or no. 8-32 screws)

Environmental

Storage Temperature:	-40°C to +85° C (-40°F to +185°F)
Operating Temperature:	-30°C to +70° C (-22°F to +158°F)
Humidity:	100% Condensing

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