

Calibrated Survey GNSS Multiband antenna (IP67)

Includes:

- Calibrated Survey Dualband external GNSS antenna
- 1.5m pigtail cable with TNC to SMA connector



More info about the product!

Calibrated Survey GNSS Multiband antenna (IP67) SKU is: AS-ANT2B-CAL-L1L2-15SMA-00

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.

Description

Survey grade dual band (L1, L2/E5b/B2I) active GNSS antenna, calibrated by NGS, with TNC connector and 1.5m rugged cable terminated with SMA male. Ideal for surveying applications including PPK and post-processing. Also compatible with high end receivers from Novatel, Trimble, Leica, Topcon and others.

Good to know:

- Compatible with all simpleRTK2B boards as well as any other multiband GNSS receiver in the market.
- Shockproof gel ring at the perimeter of the antenna to minimize damage in case of fall
- Antenna calibration files can be downloaded from NGS website (Manufacturer: ArduSimple, Model: AS-ANT2B-CAL): <https://www.ngs.noaa.gov/ANTCAL/index.xhtml#>

Specifications

2B Survey Calibrated antenna

Antenna element

- Supported positioning signal bands:
 - GPS: L1, L2
 - GLONASS: G1, G2
 - BeiDou: B1, B2
 - Galileo: E1, E5b
 - QZSS: L1, L2
 - SBAS: WAAS, EGNOS, MSAS and GAGAN
- Polarization: RHCP
- Peak gain: 5dBi
- Axial Ratio @ zenith: <3dB
- Azimuth Coverage: 360 degrees
- Impedance: 50 ohm
- Phase center error: ± 1 mm
- Calibration File available

Electrical

- Supply voltage: 3-12V
- Typical supply current @ 3V: 45mA
- Average LNA gain: 40dB
- Maximum Noise Figure: 1.5dB
- Maximum VSWR: 2

Mechanical

- Maximum length: 152mm
- Weight: 400g
- Mounting style: Magnetic base ([requires accessory](#)) or 5/8" x 11TPI thread
- Connector: TNC female
- Cable length: Includes 1.5 meter cable terminated in SMA male

Environmental

- Operating Temperature: -40 to +85°C
- Storage Temperature: -40 to +85°C
- IP Rating: IP67 (excluding air vent in screw hole, which can be sealed when installed)
- RoHS: Yes

Documentation

User Guide	https://www.ardusimple.com/gps-gnss-antenna-installation-guide/
Download CAD model	https://www.ardusimple.com/wp-content/uploads/3D_CAD/AS-ANT2B-CAL-L1L2-15SMA-00-R00.STEP

Calibrated Survey GNSS Multiband antenna (IP67) includes free basic technical support. Contact info@ardusimple.com for more information.

Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance.