Trimble Zephyr 3 Base Antenna

PRECISION BASE ANTENNA WITH MILLIMETER ACCURACY

Integrated with Trimble Stealth[™] ground plane to minimize multipath and protected by weather resisting materials, the top of the range Zephyr 3 Base antenna is the ideal antenna for control work.

COMPREHENSIVE GNSS SUPPORT

The Trimble Zephyr 3 Base antenna offers full support for current and nearfuture GNSS signals including GPS, GLONASS, Galileo, BeiDou, QZSS, IRNSS, OmniSTAR, Trimble RTX and SBAS.

TRIMBLE ZEPHYR 3 BASE

In addition to fixed base stations, the Zephyr 3 Base antenna is also suitable as a rover antenna for use in high multi-path environments. The Zephyr 3 Base antenna's quality performance and extreme accuracy are achieved through millimeter phase center repeatability, robust low-elevation tracking and reduced ground-based multipath interference.

Key Features:

- Additional Iridium filtering above 1616MHz allows antenna to be used as close as 20m of Iridium transmitter
- Additional filtering below 1510MHz allows for antenna placement closer to Japanese LTE cell tower
- Trimble Stealth Ground Plane integrated lightweight stealth technology with enhanced right hand circular polarization to reduce multipath interference
- Advanced LNA (low noise amplifier) to reduce interference by high power out-of-band transmitters
- 50 dB signal gain for reliable tracking in challenging environments and long cable runs

Key Features

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- Comprehensive GNSS support, including GPS Modernization signals, GLONASS, BeiDou and Galileo
- Robust low-elevation satellite tracking
- Large Trimble Stealth[™] ground plane for multipath rejection
- Millimeter phase center repeatability
- Ideal for fixed reference stations and GNSS infrastructure networks
- Additional Iridium and Japanese LTE filtering
- High signal gain (50dB) for reliable tracking
- Low cross-sectional profile to reduce wind loading





TECHNICAL SPECIFICATIONS

- · Comprehensive GNSS Tracking:
 - GPS: L1, L2, L5
 - GLONASS: L1, L2, L3
 - BeiDou: B1, B2, B3
 - Galileo: E1, E5a, E5b, E6
 - QZSS: L1, L2, L5, LEX
 - IRNSS: L5
 - SBAS: WAAS, EGNOS, GAGAN, and MSAS
 - MSS: OmniSTAR, Trimble RTX
- Quality signal tracking, even at low elevations
- Four point antenna feed for phase center stability and enhanced polarization
- Powered by GNSS receiver via coaxial cable
- Optional transparent protection radome (available if desired)

Trimble Zephyr 3 Base Antenna

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ENVIRONMENTAL QUALIFICATIONS

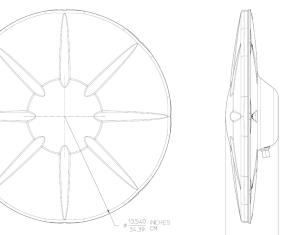
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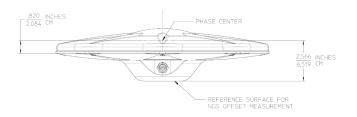
Operating Temperature . . –40 °C to +85 °C (–40 °F to +185 °F) Humidity 100% humidity proof, fully sealed, IP67 Shock and Vibration

PHYSICAL AND ELECTRICAL SPECIFICATIONS

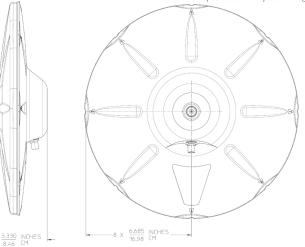
Dimensions
(13.5 in diameter x 3.1 in height)
Weight
Input Voltage 3.5 V DC to 20 V DC
MSS Narrow Band Mode (1555 to 1559 MHz):
>6.4 V DC to 9 V DC
MSS Wide Band Mode (1525 to 1559 MHz):
3.5 V DC to 6.0 V DC and 9.4 V DC to 20 V DC
Input Current 125 mA
Input Current
Signal ConnectorTNC Female
Mounting

PART NUMBERS





115000-50-INTZephyr Model 3 Base Antenna Specifications subject to change without notice



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Trimble.

Contact your local dealer today

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