



# Trimble GA810 Antenna

## PRECISION GNSS ANTENNA FOR MARINE APPLICATIONS

The Trimble GA810 GNSS antenna is designed to support high precision marine applications. It is equipped with 100% humidity proof enclosure and threaded mounting to protect from harsh environments commonly seen in marine applications.

### COMPREHENSIVE GNSS SUPPORT

The Trimble GA810 antenna offers full support for current and near-future GNSS signals from GPS, GLONASS, Galileo, BeiDou, QZSS, IRNSS, OmniSTAR, Trimble RTX and SBAS.

#### Key Features of Trimble GA810:

- ▶ Equipped with a mag switch to allow users to change between MSS wideband and narrowband
- ▶ Thread mount prevents rusting caused by salt and water in marine applications

### Key Features

- ▶ Comprehensive GNSS support, including GPS modernization signals, GLONASS, BeiDou, Galileo, QZSS and IRNSS
- ▶ OmniSTAR and RTX Support
- ▶ Supports MSS narrowband and wideband
- ▶ Rugged and 100% humidity proof



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## TECHNICAL SPECIFICATIONS

Comprehensive GNSS Tracking:

- GPS: L1, L2, L5
- GLONASS: L1, L2, L5
- Galileo: E1, E5a, E5b, E6
- BeiDou: B1, B2, B3
- QZSS: L1, L2, L5, L6, LEX
- IRNSS: L5
- SBAS: WAAS, EGNOS, GAGAN, and MSAS
- MSS: OmniSTAR, Trimble RTX

Magnetic switch for narrowband and wideband

- Wideband mode: 1525 - 1614 MHz
- Narrowband mode: 1555 - 1608 MHz

MTBF >5,000 hours

## ENVIRONMENTAL QUALIFICATIONS

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

Humidity . . . . . 100% humidity proof, fully sealed, IP67

Shock and Vibration

Tested and meets the following environmental standards:

- Shock . . . . . MIL-STD-810-F to survive a 2 m (6.56 ft) drop onto concrete
- Vibration . . . . . MIL-STD-810-F on each axis

Compliance . . . . . CE compliant including ISO 7637, 2011/65/EU (RED), EN 55022, E-Mark and RoHS, FCC, ICES and RSS compliant

## PHYSICAL AND ELECTRICAL SPECIFICATIONS

Dimensions . . . . . 16.13 cm diameter x 7.44 cm height (6.35 in diameter x 2.93 in height)

Weight . . . . . 0.57 Kg (1.26 lb)

Input Voltage . . . . . 3.4 V DC to 12 V DC

Input Current . . . . . <130 mA

Signal Gain . . . . . 48 dB

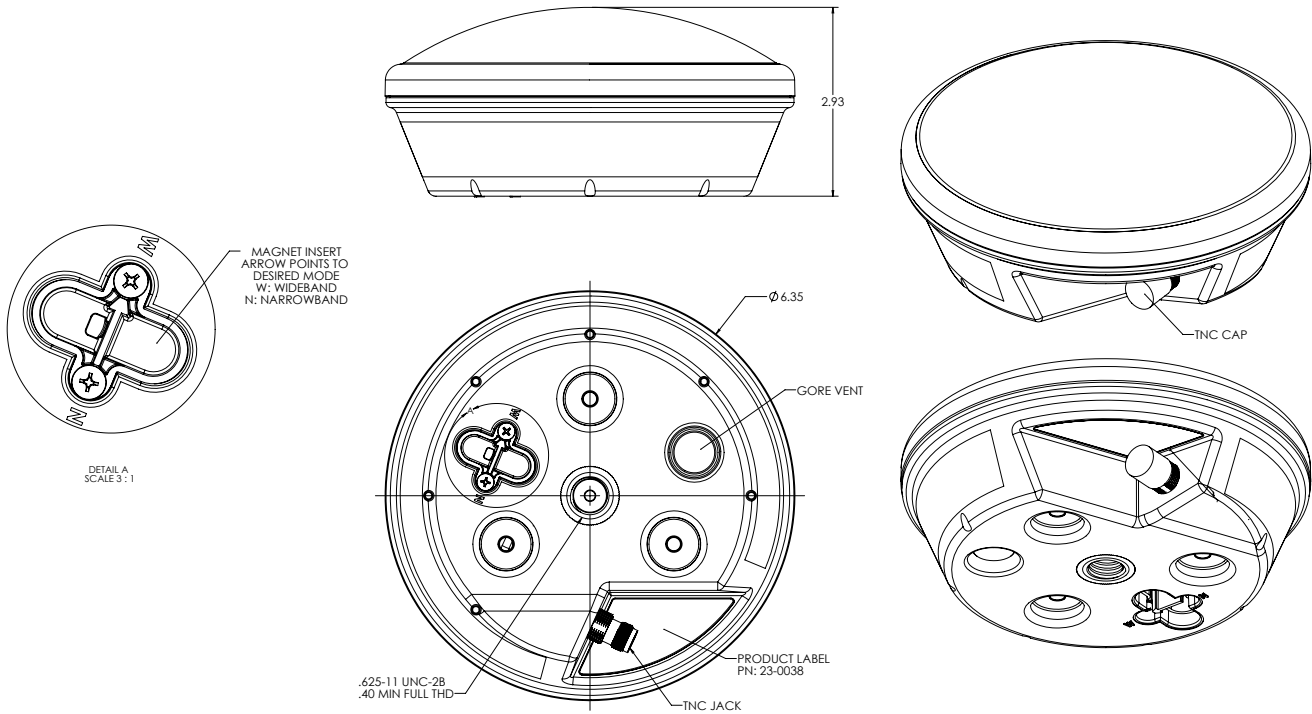
Signal Connector . . . . . TNC Female

Mounting . . . . . .5/8" - 11 Female Thread

## PART NUMBER

99810-30-INT . . . . . Trimble GA810 Antenna

Specifications subject to change without notice.



TRIMBLE  
Integrated Technologies  
935 Steward Drive  
Sunnyvale, CA 94085



Contact NavtechGPS for product details. [www.NavtechGPS.com](http://www.NavtechGPS.com)  
+1-703-256-8900 • 800-628-0885 • [info@navtechgps.com](mailto:info@navtechgps.com)

