



CTB-SERIES HAZARDOUS AREA EXPLOSION PROOF ANTENNAS



- 900 MHz & 2.4 GHz ISM Band, 802.11b,g, Wi-Fi
- Dual band AMPS 824 ~ 896 MHz & PCS (GPRS) 1850 ~1990 MHz
- UL listed
- Internal seal fitting
- Custom frequencies available
- TNC connector
- Mounting: ¾" NPT Explosion Proof Housing Hub or ¾" pipe and EP Conduit Union Fitting
- Rugged Nickel Plated Brass mounting base



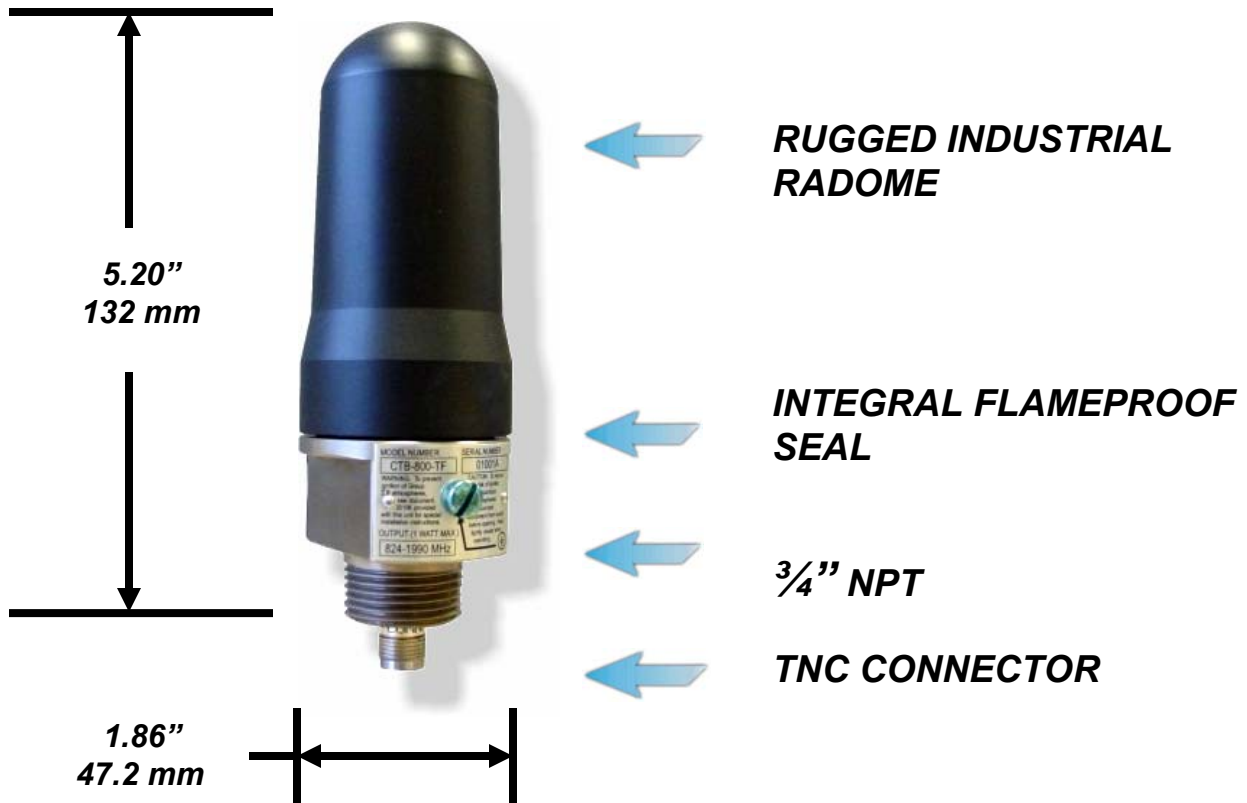
The CTB-Series of antennas are designed for use in "Hazardous-Classified" and Industrial-Hardened applications. The antennas are omni-directional with 2.0 dBi gain and designed for flexible mounting on a variety of explosion proof housings or on ¾" pipe with a ¾" NPT pipe thread. The mounting base is made of heavy nickel-plated brass with an integrated TNC coaxial connector for ease of installation. The radome is optimized for rugged industrial applications while maintaining maximum radio frequency transmission and reception efficiency. The antenna may be mounted up to 18" away from the enclosure within a Class 1 Div 1 location without an additional seal.

APPLICATIONS

- Hazardous tank level monitoring
- Offshore platforms
- Chemical processing
- Power plants
- Utility systems where explosive gases may be present
- PCS, AMPS, GPRS, 802.11
- Wireless bridges
- Wireless Ethernet
- Hazardous area computers

Typical Installation





Specifications

Impedance: 50 Ω

Gain: 2.0 dBi

Maximum power: 1 Watt

Connector type: TNC female (2.4 GHz has reverse polarity female TNC)

Mounting base: 3/4" NPT

Weight: 1.06 lbs., 0.48 kg

Maximum length including TNC connector: 5.6", 142.2 mm

Maximum diameter (not including ground screw): 1.86", 47.2 mm

Certifications

UL listed for the following locations: CLASS I DIV 1, GROUPS C, D $-25^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$, CLASS I ZONE 1 AEx d IIB T6, Ex d IIB T6 $-20^{\circ}\text{C} \leq T_a \leq 55^{\circ}\text{C}$.

Ordering Information

Part Number	Frequency
CTB-800-TF	Dual band 824~896 MHz & 1850~1990 MHz
CTB-900-TF	915 MHz
CTB-2400-TR	2.4 GHz

Other frequencies are available, contact the factory for details.