



CTM-SERIES HAZARDOUS AREA EXPLOSION PROOF ANTENNAS



- 900 MHz, 2.4 GHz & 5.0 GHz ISM Band, 802.11a,b,g, Wi-Fi
- Dual band AMPS 824 ~ 896 MHz & PCS (GPRS) 1850 ~1990 MHz
- UL listed & ATEX certified
- Internal seal fitting
- Custom frequencies available
- TNC connector
- Mounting: 20mm (M20) thread
- Rugged Nickel Plated Brass mounting base



*Class 1, Div 1,
Zone1
Groups, C & D*



The CTM-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 with an M20 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.

- 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



CTM-SERIES



← **RUGGED INDUSTRIAL RADOME**

← **INTEGRAL FLAMEPROOF SEAL**

← **M20 THREAD**

← **TNC CONNECTOR**

Specifications

Impedance: 50 Ω

Gain: 2.0 dBi

Maximum power: 2 Watts

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


Mounting base: 20mm (M20)

7 joule impact rating

Weight: 1.06 lbs., 0.48 kg

Maximum length including TNC connector: 5.85", 148.6mm

Certifications

UL listed for the following locations: Class I Div 1, Groups C, D $-40^{\circ}\text{C} \leq T_a \leq 85^{\circ}\text{C}$, Class I Zone 1 AEx d IIB T5, Ex d IIB T5 $-40^{\circ}\text{C} \leq T_a \leq 85^{\circ}\text{C}$. CE 0539  IICG Ex d IIB T5, DEMKO 08 ATEX 0727941X (see documents 35105 and 35106 for safe installation)

Ordering Information *(other frequencies available, contact factory for details)*

<u>Part Number</u>	<u>Frequency</u>
CTM-800-TF	Dual band 824~896 MHz & 1850~1990 MHz
CTM-801-TF	Dual band 801-940 MHz & 1901-2000 MHz
CTM-900-TF	915 MHz
CTM-2400-TR	2.4 GHz
CTM-5000-TF	5.0 GHz

