



## CTM. Explosion-proof antenna 2W

### Protection mode:

|                        |                        |
|------------------------|------------------------|
| Type of protection:    | II2G Ex d IIB T5       |
| Classe of temperature: | T5                     |
| Ambient Temperature:   | -40° à +85°C           |
| Zone :                 | 1                      |
| Certificate:           | DEMKO 08 ATEX 0727941X |

### Description:

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.



### Technicals data:

- 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

### Applications for:

- 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



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





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### Specifications

Impedance: 50  $\Omega$

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

### Ordering Information

| Part Number | Frequency                             |
|-------------|---------------------------------------|
| 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                               |



## CTM-SERIES

← **RUGGED INDUSTRIAL RADOME**

← **INTEGRAL FLAMEPROOF SEAL**

← **M20 THREAD**

← **TNC CONNECTOR**