



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 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

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**