CTM. Explosion-proof antenna 2W

Protection mode:

Type of protection:	II2G Ex d IIB T5
Classe of temperature:	T5
Ambient Temperatrure:	-40° à +85°C
Zone :	1

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.
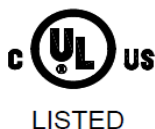
*1/2" NPT thread on request

Technicals data:

• Materials: Nickel plated brass
• 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

c UL us **LISTED**

CE *ATEX ZONE 1*

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-400-TR	412 MHz to 428 MHz*
CTM-401-TF	450 MHz to 470 MHz*
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	902 MHz to 928 MHz
CTM-2400-TR	2.4 GHz
CTM-5000-TF	5.0 GHz

Utilization of frequencies ranges according to legislation of country where it be used.

CTM-SERIES

5.45"
138mm

RUGGED INDUSTRIAL RADOME

INTEGRAL FLAMEPROOF SEAL

M20 THREAD

TNC CONNECTOR