



CTX. 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

Description:

The CTX-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 hazardous location without an additional seal.



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: ¾” NPT Explosion Proof Housing Hub or ¾” pipe and EP Conduit Union Fitting
- 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: 3/4" NPT

Impact rating: 7 joules

Weight: 1.06 lbs., 0.48 kg

Maximum length including TNC connector: 5.85", 148.6mm, Max. diameter 2.02", 51.3mm

Ordering Information

Part Number	Frequency
CTX-800-TF	Dual band 824-896 MHz & 1850-1990 MHz
CTX-801-TF	Dual band 801-940 MHz & 1901-2000 MHz
CTX-900-TF	915 MHz
CTX-2400-TR	2.4 GHz
CTX-5000-TF	5.0 GHz



CTX-SERIES

← **RUGGED INDUSTRIAL RADOME**

← **INTEGRAL FLAMEPROOF SEAL**

← **3/4" NPT THREAD**

← **TNC CONNECTOR**