



CTM-401-TF 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 : 1-2

Description:

The CTM-Series of antennas are designed for use in “Hazardous-Classified” and Industrial-Hardened applications. The antennas are omni-directional with 0.0 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.

**3/4" NPT thread on request*



Technical data:

- Bandwidth: 450 MHz to 470 MHz
- UL listed & ATEX, IECEx certified
- Internal seal fitting
- 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
- Wireless bridges
- Hazardous area computers
- Patented design

Typical installation



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





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Specifications

Bandwidth: 450 MHz to 470 MHz
Impedance: 50 Ω
Gain: 0.0 dBi
Maximum power: 2 Watts
Connector type: TNC female
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-401-TF	450MHz to 470MHz

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

