



• Related wireless devices



Product description

The Wireless Enclosure System enables cost effective wireless networking in hazardous areas.

- Designed to accommodate the wireless technology of your choice, from any vendor
- Intrinsically safe RF outputs
- Easy to install and maintain
- Compatible with any wireless technology

specification

Certification

Explosion-proof Enclosure : Ex d [ia IIC Ga] IIB+H2 T5 Gb 、 Ex tb [ia Da] IIIC T100°C Db °

Explosion-proof Junction Box : Ex d [ia IIC Ga] IIC T6 Gb X 、 Ex tb [ia Da] IIIC T85°C Db X °

Ingress protection : IP 66 °

Dimensions : 500mmx360mmx175mm °

Enclosure material : Aluminum alloy, powder coating; passed 1000 hours salt spray test.

Application area

Refinery

Chemical and petrochemical plants

Offshore oil rig

Oil and gas production

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San Tauoo Corporation Limited



Explosion Proof Connector Transit



Intrinsically Safe Ultra-Wide Band RF Galvanic Isolator



Explosion Proof Connector Transit & Intrinsically Safe Ultra-Wide Band RF Galvanic Isolator

The explosion proof connector transit designed for galvanic RF isolators to enable quick and simple wireless deployments in hazardous areas.

The galvanic isolator is an ATEX, IECEx, and MET approved RF galvanic isolator for use in Zones 0, 1, 2/22 and mining applications.

- II 3 (1) G D Ex nA [Ex ia Ga] IIC T6 Gc, Ex ic [Ex ia Da] IIIC T85°C Dc
- I (M1) [Ex ia Ma] I
- cMETus Class I, II, Div 2, Class III Div 1 & 2, Groups A-G. Class 1, Zone 0, Group IIC T4
- -40°C ≤ Ta ≤ +80°C

Ultra-wide bandwidth

In addition to covering 2.4GHz/5GHz Wi-Fi frequencies and the 900MHz ISM band, the ultra-wide 150MHz to 8GHz bandwidth of the galvanic isolator can also be used in applications involving Marine VHF, 433MHz ISM, Tetra and full GSM frequencies, for example.

Intrinsically safe RF outputs

The galvanic isolator provides galvanic isolation to give protection against dangerous transients, making the majority of standard RF outputs intrinsically safe. That means you're no longer restricted to only using certified antennas in hazardous areas; instead, you can choose from a wider variety of non-certified antennas that meet the requirements for simple apparatus.

Efficient deployment

With standard SMA connectors, you can easily install your solution. Antennas with SMA connectors can be connected directly to the galvanic isolator; we can provide accessories, including the connector transit, for antennas with N type connections. The intrinsically safe RF outputs also mean that antennas can be hot swapped to maximise performance and minimise downtime.

Highly compact

The galvanic isolator is small and lightweight, ideal for inclusion in a variety of different applications.

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