

WAVETREND))

Wavetrend's Industrial Asset Tag is an Active RFID Tag ideally suited for tracking and monitoring applications for high value assets, such as plant or vehicles. The glass filled nylon enclosure is IP67 rated and well-matched to tough environments that require a highly robust, waterproof Tag. A number of sensor options are available to meet specific application requirements.

INDUSTRIAL ASSET TAG TGA



Key Features

Housed in a glass filled nylon enclosure to IP67 standards

Large range of unique Tag IDs possible

Configurable site / vendor ID

Tag can be configured to encode Wiegand facility & card IDs

On metal usage

Offers a range of different transmission rates

Anti tamper facility

Ultra low power consumption

Long range transmitter

Collision avoidance algorithm

Transmission counter

Sensor and additional options available

Benefits

Suitable for tough environments requiring a robust waterproof Tag

Real-time identification of unique Tags in a large population

A unique code can be allocated on request
Readers can be set to ignore other codes

Allows Tag to be used with existing access control systems

Can be deployed on metallic and non-metallic assets

Flexible configuration of status updates, together with battery life optimisation

Tamper alerts can be generated on removal of the Tag if used in conjunction with the Wavetrend Anti Tamper Kit

Lifespan of 3 years when transmitting at the standard or greater interval

Tag can be detected at ranges up to 150m subject to the appropriate Antenna being fitted and installation/environment conditions

Reduces loss of data caused by simultaneous transmissions from multiple Tags

Allows for generation of low battery warnings

Motion Sensor, Temperature, Accelerometer and Intrinsically Safe Certification



Asset



IP67 Waterproof



Use on Metal



Motion Sensor



Accelerometer



Intrinsically Safe



Temperature



Specifications

Model Options

Standard (TGA)

Tamper only

Motion Sensor (TGA-MS)

Generates alarms/alerts on movement
Can be used as a strategy to extend battery life

Accelerometer (TGA-Kinetic)

Suitable for sophisticated theft prevention applications through its use of a smart accelerometer that is both sensitive and not susceptible to background vibration, thus ensuring accurate event reporting
Alarm generation configurable via 10 step sensitivity setting
Can be configured to report individual axis acceleration regularly and/or on movement alarm

Temperature (TGA -Temp)

Uses a calibrated sensor to measure local temperature in a wide range of environments, both indoor and outdoor

Intrinsically Safe Certification
(TGA- HZ)

ATEX Zone 0 and IECEx certification
Suitable for applications in hazardous environments such as mines and oil/gas facilities

Environmental

Operating temperature

-20°C to +55°C

Storage temperature

-30°C to +60°C

Relative humidity

5% to 90% (non-condensing)

Ingress protection

IP67

Physical

Size

68mm x 36mm x 16mm

Weight

25g

Colour

Black (Red with Temperature Sensor / Yellow for Intrinsically Safe model)

Material

ABS (ultrasonically sealed)

Radio

Transmit frequency

433.92 MHz

Read range

Up to 150m (actual range is determined by the choice of Antenna used with Reader and the usage environment)

Power

Internally powered by lithium coin cell battery

Accessories

Tag Attachment Kit (TA-TGP) - Packs of 10

Tamper Alerting Tag Attachment Kit (TA-TGP-AT) - Packs of 10

Certification

CE

To order or for further information



Wavetrend (Europe) Ltd. Barlavington Stud,
Barlavington, Petworth, West Sussex GU28 0LG, UK

www.wavetrend.net

T: + 44 (0) 330 223 2086/2085

E: sales@wavetrend.net