



RFID TYRE TAG

Model: ETS-RT 51



865 MHz - 928MHz



EPC Gen1
ISO 18000-6C



Range Up to 4 MT.



Water resistant



Chemical Proof



Protection



Extremely Rugged

Description

ETS-RT 51 is a highly rugged tag meant for application on tyres of 2-wheeler, 4 wheelers, trucks, buses etc. The uniquely designed antenna can easily survive in high temperature conditions and work throughout the operational life span of the tyre. The tag is ISO/IEC 18000-6C compliant and designed on UHF 865 - 928 MHz UHF frequency. As the name suggest, it is used for tracking and identification of tyres at various levels that include manufacturing, operation, trading etc. We use high grade vulcanized rubber for long life and durability of the tag.

The tag is attached to the inner inside area of the tyre using hot cold vulcanization process which makes it tamper proof and impossible for anyone to remove or replace it during the usage. These tags are used in combination with RFID Handheld and fixed readers for a variety of applications at production, retail and end use.

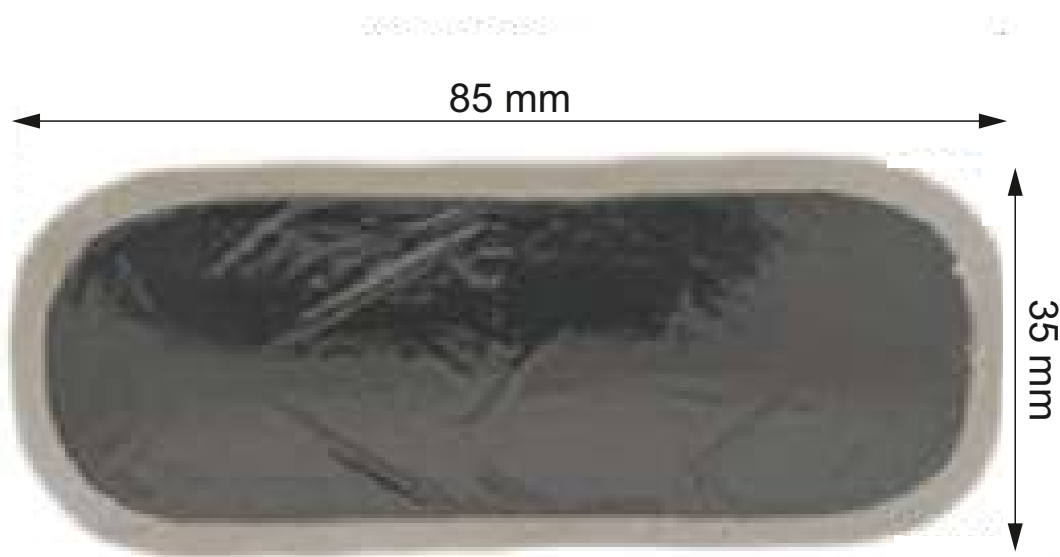
ECO TRACK SYSTEMS

Corporate Office: B-14, Patparganj Industrial Area, New Delhi 110092

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Specification

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	865-868 MHz or 902-928 MHz
Chip	Alien Higgs-3
Memory Configuration	EPC-96 bits, extendible to 480bits TID-96 bits unalterable unique User memory-512 bits Access password-32 bits Kill password-32 bits
Read Range	3-4 m when placed on tire It is strictly recommended to test with tire only
Dimensions	85 * 35 * 3 +- 0.3 mm
Colour	Black and grey
Weight	5.6 g
Encasement	Rubber
Quality Assurance	100% reader tested
Operating temperature	-40degreeC to +85degreeC
Storage temperature	-40degreeC to +95degreeC
Moulding pressure	Up to 5000kPa
Ingress protection	IP68
Attachment	Self Adhesive
Applicable surface	All types of tires



Features

- Highly rugged
- IP 68 rated
- Compact design for easy application
- Works in extreme high temperature
- Water Proof design
- Read range of Up to 4 meters*
- ISO/IEC 18000-6C Compliant

Benefits

- Tyre tracking and management during its manufacturing
- Identification of originality at retail level
- Prevents tyre duplicacy during vehicle transit specially for logistics and rental companies
- Tyre maintenance and management during its lifecycle
- Accurate matching and verification of tyres with the vehicles to which they have been issued
- Prevention of tyre theft and wrongful exchange
- Can be used to track trip details of the fleet including its origin, destination, driver details etc.
- Can provide details about total distance travelled during a trip

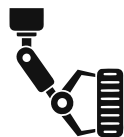
Application Areas



Transportation



Logistics Companies



Tyre Manufacturer



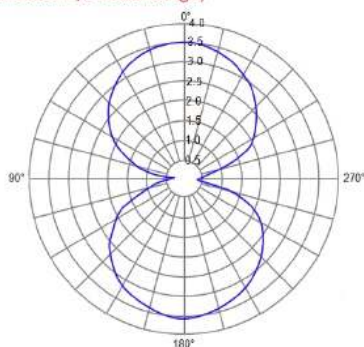
Tyre Retail Shop



Vehicle Rental Companies

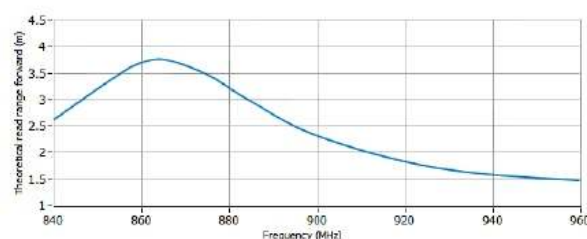
Radiation Pattern Graph

(Orientation v/s Read Range)



Linear Frequency Graph

(Frequency v/s Read Range)



Notice: Product specifications are subject to change without prior notice. / Model: ETS-RT 51 / Update Date : 02/03/2022

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