433 MHz RFID Tags

**OS-TRES433**

The OS-TRES433 is a revolutionary new product utilizing the 433 MHz frequency to accomplish AVI (Automated Vehicle Identification), Personnel or Asset Tracking and Perimeter Security functionality with unparalleled read range and flexibility. The OS-TRES active tags both CS and MM versions have a replaceable battery which allows the user to enjoy a declining per year tag cost by simply following the warranty instructions for battery replacement, thereby renewing the tag warranty in three year increments. TRES RFID tags are designed to withstand the rigors of everyday usage. The labels can be customized to meet specific aesthetic requirements. By utilizing varied mounting options, these tags can be used as asset and/or equipment tags, automobile tags, or personnel tags. The MM (metal mount) tag is designed to be a semi permanent attachment to assets using screws or bolts.

**ADDITIONAL FEATURES**
- Anti-collision algorithm for multiple tag reads
- Motion Detection Option (Accelerometer)
- Battery Removal Detection
- Low Battery Detection
- FSK Modulation (Faster More Consistent Response)
- Private Labeling Option

**SPECIFICATION**

**Power Supply**
- 3V Replaceable Battery
  (Must be replaced by authorized dealer)

**TX Frequency**
- 433.92 MHz

**Output Power**
- 1 mW default, 10 mW maximum

**Transmission Rate**
- 2.01 seconds

**Transmission Time**
- 590 Microseconds

**Battery Life**
- 4 years (3 year warranty)

**Operational Temp.**
- -40 F to +185 F

**Humidity**
- 5% to 90%

**Material**
- UV Stabilized (IP65)

**Approvals**
- FCC Certification-Part 15-YVUTRES433
- RoHS compliant

**ASSET TAG**

**OS-TRES-AT**

Dimensions: 4.0 x 2.12 x .54 in

Weight: 4 oz

Color: Black

Housing: Rynite, Potted

Rating: IP67

Battery: Not Replaceable

**CLAMSHELL TAG**

**OS-TRES-CS**

OS-TRES-CS-ACL

Dimensions: 3.375 x 2.125 x .25 in

Weight: 2 oz

Color: Putty White

Housing: Sealed ABS

Rating: IP65

Battery: Replaceable

**METAL MOUNT TAG**

**OS-TRES-MM**

OS-TRES-MM-ACL

Dimensions: 3.0 x 2.0 x 1 in

Weight: 4 oz

Color: Black

Housing: Sealed ABS, Metal Spacing

Battery: Replaceable

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>OS-TRES-CS</td>
<td>Clamshell Tag Slot punched for personnel, windshield, or visor</td>
</tr>
<tr>
<td>OS-TRES-CS-ACL</td>
<td>Clamshell Tag (includes accelerometer option for motion detection)</td>
</tr>
<tr>
<td>OS-TRES-MM</td>
<td>Metal Mount Tag Designed for metal mount without sacrificing read range</td>
</tr>
<tr>
<td>OS-TRES-MM-ACL</td>
<td>Metal Mount Tag Designed for metal mount without sacrificing read range (includes accelerometer option for motion detection)</td>
</tr>
<tr>
<td>OS-TRES-AT</td>
<td>Asset Tag Fully potted waterproof and virtually non-destructible</td>
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<tr>
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www.ossi-usa.com  888-488-2623