



Demanding More from Wireless Sensing



MODEL

**EV3-LPST**

#### DESCRIPTION

### Low Profile Sensor Tag

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This product shares many of the high performance characteristics found in its sister product, the EV3-ST. But, in addition to being fully ISO18000-7 interoperable with the rest of the EV3 family of products, this EV3-LPST boasts an ultra low profile, low power consumption, large memory storage, and an internally encased battery. So, this product would be best used where non-intrusive or discrete applications are called for. Also, another powerful potential application is where disposal at end-of- life, or after several-uses, has never been commercially viable before.

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With the EV3 family of products, it has never been easier and more cost-effective to dramatically increase visibility of assets in-transit through a complex supply-chain, monitor security breaches, and provide a more reliable and timely supply network.

The EV3-Series of hardware products provides dramatically improved functionality at a much more attractive price point than was attainable by previous conventional Active RFID design approaches. With the judicious use of Integrated Sensor and ASIC technologies, improved sensing and other value-added capabilities have been included across the family of products, while still improving the size, power consumption, and end-user cost of our hardware products. Consequently, any supply-chain management network built on these devices will enjoy an improved ROI along with significantly enhanced functionality, visibility, and security control. Additionally, products in the EV3 family are fully compliant and interoperable within the ISO 18000-7 standard and DoD RFID Equipment Guidelines.



Model	Low Profile Sensor Tag EV3-LPST
RFID Protocol	ISO 18000-7:2008 + DoD 18000-7 RFID equipment guidelines
Frequency	433.92 MHz
Range	200 feet unobstructed
Antenna	Omni-directional internal
Power	Internal coin cell
Battery Life	3 years with 1 sample per min temperature and humidity, and 2 collections per day
Weight	1.9 oz (54g)
Dimensions	2.8" L x 2.4" W x 0.6" H 7.1 cm x 6.1 cm x 1.5 cm
Operating Temperature	-30 C to +70 C
Storage Temperature	-40 C to +70 C
Dust and Moisture	IP 64
Memory	128 Kbytes
Beeper	Audible beeper for tag location and status indication
Sensors	Temperature: range: -30 to 70 C, resolution: 0.5 C Humidity: range: 0% - 100% RH, resolution: 0.5 % RH
Compliance	FCC Part 15.240 and Part 15.231 IC certified RSS-210 HERO no restrictions EMI safe on any aircraft
Low Battery Indicator	From interrogator



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### About Evigia

Evigia is the industry leader in utilizing integrated sensor and ASIC technologies to dramatically improve the functionality and cost of Active RFID hardware products. These advances allow significant improvement in the performance and cost of asset-management supply chains. The network's functionality, visibility, and security control are dramatically increased, while the underlying hardware products themselves benefit from smaller size, lower power consumption, and lower cost with our solution approach. The EV3-Series family of products are fully compliant and interoperable within the ISO 18000-7 standard. Let us show you how Evigia's solutions can improve your supply chain networks.