

# Seal Tag edTamper UHF



## **RAIN® RFID Tags with integrated fasteners detect tampering without line of sight.**

- Quickly detect and locate broken seals via RFID
- Broadband RAIN UHF tag delivers read ranges up to 6.5 ft (2 m)
- Fast and efficient to apply

HID Global's Seal Tag edTamper are tamper evident passive contactless RAIN® UHF transponders allowing detection of their seal status via RFID.

Visualizing the tag is not necessary to identify broken seals. The edTamper tags provide a digital notification if a sealed tag has been compromised to quickly scan large sets of sealed items for integrity. Typical applications include sensitive and highly-secure items like, aircraft life vests or weapon/ equipment racks that require periodic safety and security checks.

Seal Tag edTamper are easily affixed by closing the robust wire loop through an opening similar to securing a padlock. After being sealed, a bit in the tag's memory indicates this status and can be detected with standard RAIN UHF RFID readers.

Once secure, the loop cannot be opened without breaking the wire. However, the pull strength has been optimized so that a human can break it when needed (e.g. to pull out the life vest), but the tag does not accidentally open.

The Seal Tag edTamper will continue to send its ID, but in addition digitally alerts a different status if the seal is compromised. Therefore, identifying a broken seal among a large amount of sealed items is quick and easy with the swipe of a UHF reader. This unique feature is in contrast to visually tamper evident tags that need physical examination to detect a broken loop or electrically tamper evident tags that stop working when the seal is broken.

HID Global SealTag edTamper meet ATA Spec 2000 and other related standards to allow usage on aircrafts. The tags are flame resistant (self-extinguishing) and may be ordered personalized with custom encoding, laser engraved logos, Bar-/QR-code or text.

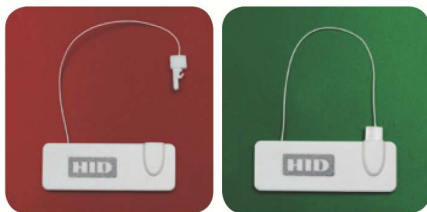


**KEY TECHNOLOGY HIGHLIGHTS:**

- Digital Tamper Evident - indicates broken seal via RFID
- Broadband 865 to 956 MHz
- UCODE G2iM+ IC with tamper alarm bit-flag
- Read range up to 6.5 ft (2 m)
- Meets UHF and aircraft standards
- Custom Laser engraving and encoding options

**TYPICAL APPLICATION AREAS:**

- Asset tracking & Logistics
- Airline life vest status check
- Weapon rack access check
- Fire extinguisher maintenance
- Automated external defibrillators (AED) maintenance
- Etc.



Seal Tag edTamper provides current seal loop status via RFID

**SPECIFICATIONS**

	<b>edTamper</b>
	<b>UHF</b>
<b>Base Model Number</b>	6E5961
	<b>ELECTRONIC</b>
<b>Operating Frequency</b>	860-960 MHz (Worldwide)
<b>Chip Type</b>	UCODE G2iM+
<b>Memory</b>	112 bit user memory + 256 bit EPC + 96 bit TID
<b>Anti-Collision</b>	Yes
<b>Reading Distance</b> 2 W reader ERP, free space	Up to 6.6 ft (2 m)
	<b>PHYSICAL</b>
<b>Dimensions</b>	Tag: 1.53 x 0.55 x 0.14 in (39 x 14 x 3.6 mm) Seal wire: 3.07 in (78 mm)
<b>Mounting Method</b>	Integrated wire loop
<b>Affixes To</b>	Any material (hanging in free air)
<b>Housing Material</b>	PC/ABS
<b>Color</b>	White
<b>Weight</b>	0.07 oz (2 g)
	<b>CHEMICAL AND MECHANICAL RESISTANCE</b>
<b>Flame Resistance</b>	UL94V0 (self-extinguishing)
<b>Vibration</b>	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
<b>Shock</b>	IEC 68.2.29 (40 g, 18 ms, 6 axis, 2000 times)
<b>Axial / Radial Force</b>	500 N, 10 sec
<b>Pull Resistance</b>	> 10 N
<b>Tag Bending</b>	N/A
	<b>THERMAL</b>
<b>Storage</b>	-40° to +158° F (-40° to +70° C)
<b>Operating</b>	-40° to +158° F (-40° to +70° C)
<b>Shock / Fatigue</b>	-40° to +158° F (-40° to +70° C) , 100 x 5 min with 30 sec transition
	<b>OTHER</b>
<b>Standards</b>	UHF EPC Class 1 Gen 2, ISO 18000-6C, ATA Spec 2000 Chapter 9-5 (Version 2013), SAE AS5678 / DO-160
<b>Options</b>	Encoding, laser engraving
<b>Box Size</b>	800 pcs
<b>Warranty</b>	2 years



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