

# Seal Tag eTamper HF

## Electrically Tamper Evident HF/NFC Tags For Asset Protection



HID Global's Seal Tag eTamper are passive contactless HF/NFC transponders that stop working when the sealing wire loop is broken or when the coin is removed, making tampering evident via RFID.

Whenever it is important to authenticate an item the tag has been affixed to, or ensure a compartment has not been opened since the time of sealing, these tags should be applied.

Seal Tag eTamper Teardrops are easily affixed by closing the robust wire loop through an opening similar to securing a padlock. The printable coin form factor features the same eTamper functionality: The antenna breaks when the coin is removed - ideal for "proof of presence" applications or payment schemes.

Tamper evident tags ensure that they cannot be removed and maliciously reused. However, the pull strength has been optimized so that a human can break it when needed, but the tag does not accidentally open.

The Seal Tag eTamper Teardrop transponders ensure valuable items cannot be exchanged for less valuable imitations during transportation and distribution. This is especially important when merchandise must pass through international ports without oversight or is handed out to prospects for trial periods.

Tamper evident tags may also be used as an "intelligent" seal, enabling more effective tracking of use and maintenance of critical items like fire extinguishers, automated external defibrillators (AED) or machinery like air conditioning systems, elevators etc.

Seal Tag eTamper products utilize a variety of HF/NFC compatible chips. The eTamper Coin TTS adds a non-replicable identity to each interaction when deployed with HID Trusted Tag® Services, a cloud-based authentication platform by HID Global - ideal for "proof of presence" applications.

HID Global Seal Tag eTamper may be ordered personalized with custom encoding, laser engraved logos, Bar-/QRcode or text.



### KEY FEATURES:

- Elegant – small form factor, minimally intrusive
- Protective – ensures proper authentication of goods, places or equipment
- Efficient – quick and easy fixation

### TECHNOLOGY HIGHLIGHTS:

- Tiny, elegant form factor
- Electric Tamper Evident – stops working when seal broken
- ISO 15693, ISO 18000-3, ISO 14443A, NFC compliant
- ICODE SLix, MIFARE DESFire EV1 or HID Trusted Tag chip
- Custom laser engraving and encoding options

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## APPLICATION AREAS:

### Asset tracking & Logistics

- Theft and fraud deterrence (e.g. in retail)
- Maintenance tracking of critical items like:
  - Fire extinguisher
  - Automated external defibrillators (AED)
  - Etc.

	Seal Tag eTamper HF	
	Teardrop	Coin
		
<b>Base Model Number</b>	629960 (no logo) 629960-020 (with UID QR-code)	7A1941-001 (DESFire) 7H5941-101 (TTS) 7H5941-102 (TTS + Laser marking)
<b>Length</b>	0.91 in (23.3 mm) + Seal wire 2.5 in (65 mm)	1.5 in (39 mm)
<b>Width</b>	0.69 in (17.5 mm)	1.5 in (39 mm)
<b>Height</b>	0.13 in (3.3 mm)	0.3 in (8.5 mm)
<b>Weight</b>	0.04 oz. (1 g)	0.18 oz. (5.25 g)
<b>Affixes to</b>	Any material	
<b>Mounting Method</b>	Hang by closing the seal wire	Sticker
<b>Color</b>	White	Black (DESFire) White (TTS)
<b>Housing Material</b>	Polycarbonate (PC)	
<b>Chip Type</b>	ICODE SLix	MIFARE DESFire EV1 HID Trusted Tag (TTS)
<b>Memory</b>	1024 bit EEPROM (896 bit user memory)	4.096 bytes 8.096 bytes
<b>Operating Frequency</b>	13.56 MHz	
<b>Standards</b>	ISO/IEC 15693, ISO/IEC 18000-3 Mode 1 NFC Forum Type 5 (if NDEF formatted)	ISO/IEC 14443A, NFC Forum Type 4
<b>CHEMICAL AND MECHANICAL RESISTANCE</b>		
<b>Vibration</b>	IEC 68.2.6 (10g, 10...2000Hz, 3 axis, 2.5h)	
<b>Shock</b>	IEC 68.2.29 (40g, 18ms, 6 axis, 2000 times)	
<b>Pull Force</b>	> 10 N	> 150 N
<b>Storage Temperature</b>	-40° to +194° F (-40° to +90° C), 1000 h	
<b>Operating Temperature</b>	-40° to +185° F (-40° to +85° C)	-13° to +158° F (-25° to +70° C)
<b>Shock/Fatigue</b>	-40° to +194° F (-40° to +90° C), 100 x 5 min with 30 sec transition	
<b>Options</b>	Laser engraving, encoding	Printed Logo, Encoding, Color
<b>Box Size</b>	300 pcs per box	1,000 pcs
<b>Warranty</b>	2 Years	

For further information, contact [tagsales@hidglobal.com](mailto:tagsales@hidglobal.com)



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