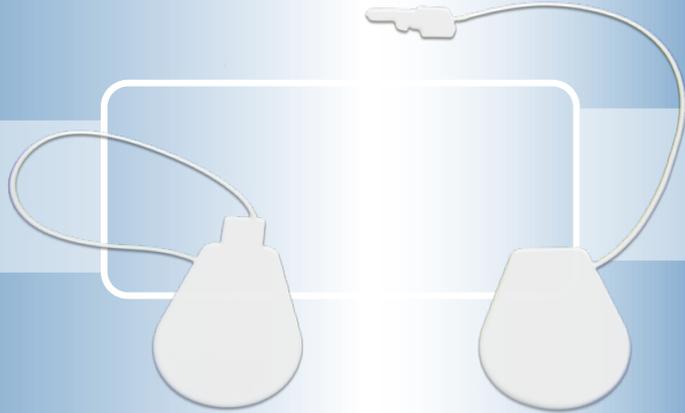**HID**®

Seal Tag
eTamper HF

ELECTRICALLY TAMPER EVIDENT HF/NFC TAGS FOR ASSET PROTECTION

- **Elegant** – small form factor, minimally intrusive at point-of-sale
- **Protective** – ensures proper authentication of goods
- **Efficient** – quick and easy fixation

HID Global's Seal Tag eTamper are passive contactless HF/NFC-V transponders that stop working when the sealing wire loop is broken, 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 are easily affixed by closing the robust wire loop through an opening similar to securing a padlock.

Once attached to an item, the wire loop is closed to make the tag operational. To remove a tag, the loop must be broken, rendering the tag permanently unreadable.

Tamper evident tags ensure that they cannot be removed and maliciously re-used. 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 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.

In addition to merchandise, the tamper evident tag may also be used as an "intelligent" seal, enabling more effective tracking of use and maintenance of mission critical items like fire extinguishers and automated external defibrillators (AED).

These tiny HF tags provide 896 bit (112 byte) of programmable memory and may be used as NFC Type 5 tags for interaction with NFC compliant phones or industrial readers.

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

HID

KEY TECHNOLOGY HIGHLIGHTS:

- **Tiny, elegant form factor**
- **Electric Tamper Evident – stops working when seal broken**
- **ISO 15693, ISO 18000-3, NFC-V compliant**
- **ICODE SLIx chip, 896 bit user memory**
- **Custom laser engraving and encoding options**

TYPICAL 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.

SPECIFICATIONS

	Seal Tag eTamper HF
Base Model Number	629960 (white, no logo)
Length	0.91 in (23.3 mm) + Seal wire 2.5 in (65 mm)
Width	0.69 in (17.5 mm)
Height	0.13 in (3.3 mm)
Weight	0.04 oz. (1 g)
Affixes to	Any material (typically hanging in free air)
Mounting Method	Hang by closing the seal wire
Color	White
Housing Material	Polycarbonate (PC)
Chip Type	ICODE SLIx
Memory	1024 bit EEPROM (896 bit user memory)
Operating Frequency	13.56 MHz
Standards	ISO/IEC 15693, ISO/IEC 18000-3 Mode 1, NFC Forum Type 5 (if NDEF formatted)
CHEMICAL / MECHANICAL RESISTANCE TO	
Vibration	IEC 68.2.6 (10g, 10...2000Hz, 3 axis, 2.5h)
Shock	IEC 68.2.29 (40g, 18ms, 6 axis, 2000 times)
Pull Force	10 N minimum (connector should not go out)
Storage Temperature	-40° to +194° F (-40° to +90° C), 1000 h
Operating Temperature	-40° to +185° F (-40° to +85° C)
Shock/Fatigue	-40° to +194° F (-40° to +90° C), 100 × 5 min with 30 sec transition
Options	Laser engraving, encoding
Box Size	250 pcs per box; 1000 pcs per carton
Warranty	2 Years

CE **N** NFC

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