Lock & EnCode SmartSeal

Electronic Tamper Sensing RFID Cable Seals
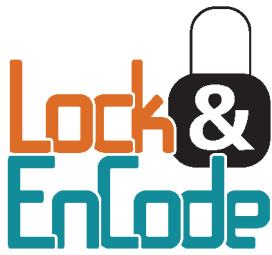
◈ | Lock & EnCode SmartSeal Overview

CYBRA's Lock & EnCode™ SmartSeals are BAP (Battery Assisted Passive) RFID Cable Seals and an all-new physical and electronic tamper evident RFID tagging solution. The latest seals in CYBRA's Lock & EnCode family, the SmartSeals are designed for the most demanding applications that require enhanced security including securing IT assets, bulk carriers, tankers, trailers, and shipping containers. A highly secure, high tech alternative to conventional padlocks, CYBRA Lock & EnCode™ RFID SmartSeals combine long-range RFID-reading performance with cable insert and cable cut sensors.
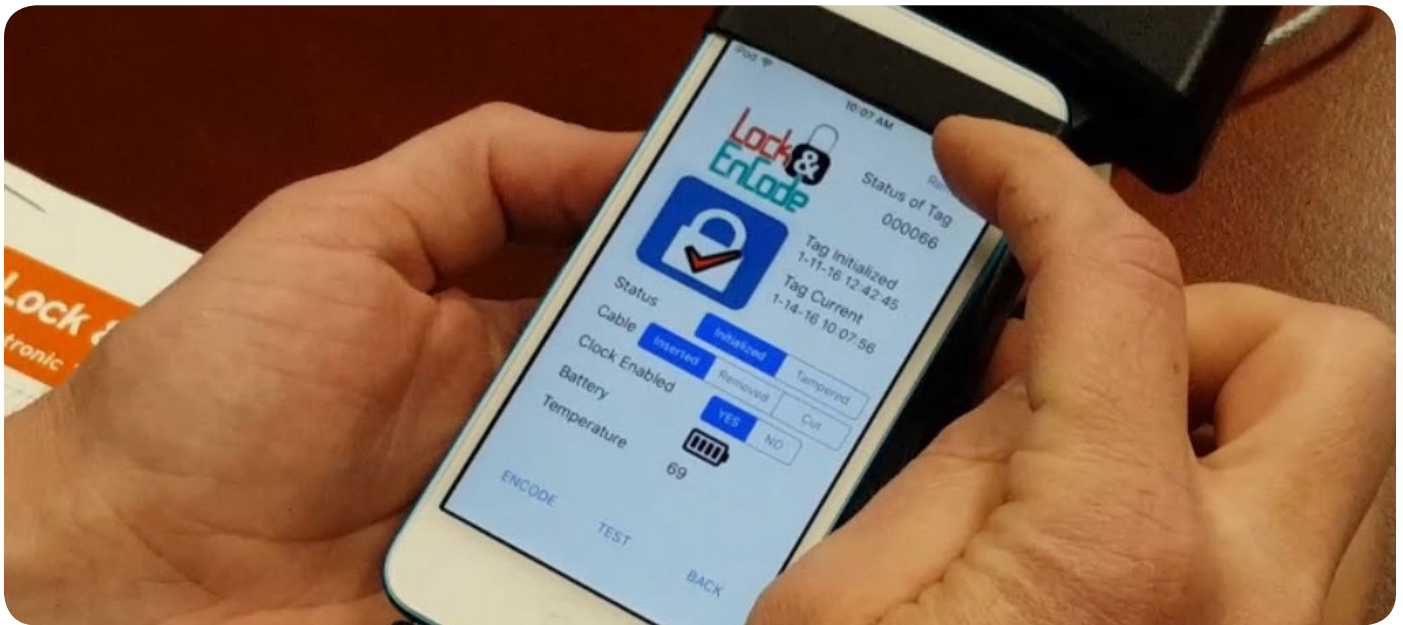
✳ | SmartSeal Features

Lock & EnCode™ RFID SmartSeals offer an advanced, tamper evident, UHF RFID tagging solution for IT assets and high value items.

> Long range RFID reading – up to 18 feet with circular polarized antenna.

> EPCglobal Class 1 Gen 2 (version 1.2.0) compliant.

> ISO/IEC 18000-6C compliant.

> Designed for global operation between 860–960MHz.

> Non-preformed cable unravels when cut.

> Galvanized steel cable,

> Embedded with sensors that track the seal's state.

♥ | Benefits

> Reports tampering by cable cutting and reusing of seal.

> Ideal for securing valuables for long periods of time.

> Records time when sealed and if tampered.

> Reduces losses in transit.

> Visual and physical tamper evidence.

> Electronic tamper sensing.

> Automates shipping and receiving.

> Enables order and shipment validation.

> Suitable for RFID geiger counter function to find locked item fast.

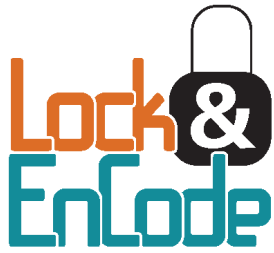> Fully supported by CYBRA's EdgeMagic RFID Platform Software.

CYBRA
We identify with success.

Lock & EnCode

➔ | Lock & EnCode SmartSeal Specifications
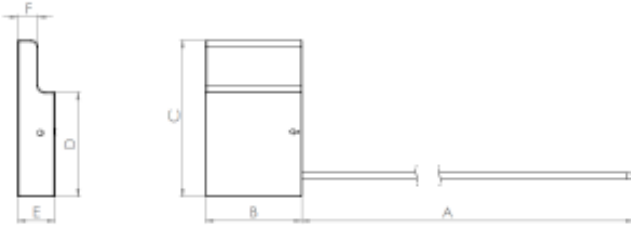
	A	B	C	D	E	F
mm	300	42	67	44.5	16	8.8
in	11.81"	1.65"	2.64"	1.75"	0.63"	0.35"

> Item #: **RFLCKBAP**

> Strength: >240kg-f / 529lb-f

> Material: Non-metallic housing, non-preformed galvanized steel aircraft cable (Ø2.5x300mm L)

> Printing: Laser printed customer logo/name, serial number, and Code 128 bar code

> Color: 6 standard pastel colours - Red, Yellow, Blue, Green, White, Orange

> Usage: Seal is delivered with programmed RFID User Data encoded and permalocked to match serial numbers supplied by customer at time of order.

> RFID: EPC Gen 2 Class 1 Compliant, ISO/IEC 18000-6C Compliant, Frequency at 860 to 940 Mhz

> Sensors: Cable insert sensor, cable cut sensor

> Read Distance: 5 to 10 meters, depending on reader

> Battery Life: Approx. 5 years

> Packaging: 100pcs/inner carton, 1000pcs/outer carton

➔ | Recommended Applications

> Shipping Container seal

> Bulk Carrier seal

> Tanker seal

> Customs and Law Enforcement

> Closed-loop tracking of IT assets in a wide range of industries subject to GRC (Governance, Risk and Compliance) mandates such as: Sarbanes Oxley and Gramm-Leach-Bliley act.