

Hyperion Seal



ONE-TIME-USE INDICATIVE TYPE STRAP SEAL
COMBINED WITH REUSABLE ELECTRONICS

Applications:

- In-Bond Shipments
- Hatches
- Valves
- Liquor Cabinets
- Tote Boxes
- Bulk Shipments
- Trailers
- Rail Cars

General Features:

- **Disposable** plastic strap for one-time usage
- Adjustable strap length to fit various applications
- **Reusable** sensor unit
- Seal tamper sensor that detects breakage or removal of strap
- Seal currently monitors temperature; future monitoring abilities could include shock, humidity, light, tilt, x-ray through addition of various sensors
- Real time clock, asleep until activated
- 2 LEDs for visual status reporting (on/off/tampered)
- Event log for storing of time stamped events
- Activation and status reporting via RFID
- Operating life time: 1 year or 25 uses
- Shelf storage life time: 3 years



Strength Characteristics:

- Polypropylene: Average pull apart force is 90 lbs [40 kg]

RFID Features (Two Versions):

- EPCglobal Gen 2, Class 1+ tag
 - 96-bit EPC code and 48-bit serial number (TID bank)
 - Operating Frequency Range: 860 – 960 MHz (ETSI/FCC)
 - Reading range: Up to 5 meters (16.4 feet) depending on antenna and reader
 - Sensor data access via User memory bank (according to Class 1 specification)
- Zigbee™, IEEE 802.15.4
 - Operating Frequency: 2.45 GHz
 - Reading range: Up to 250 meters (270 yards)

Environmental

- Temperature
 - Operating: -40 °F to 158 °F [-40°C to +70°C]
- Humidity
 - 95% non-condensing at 158°F [70°C]



More Choices, More Solutions.™

TydenBrooks Security Products Group - 8 Microlab Road - Livingston, New Jersey - 07039

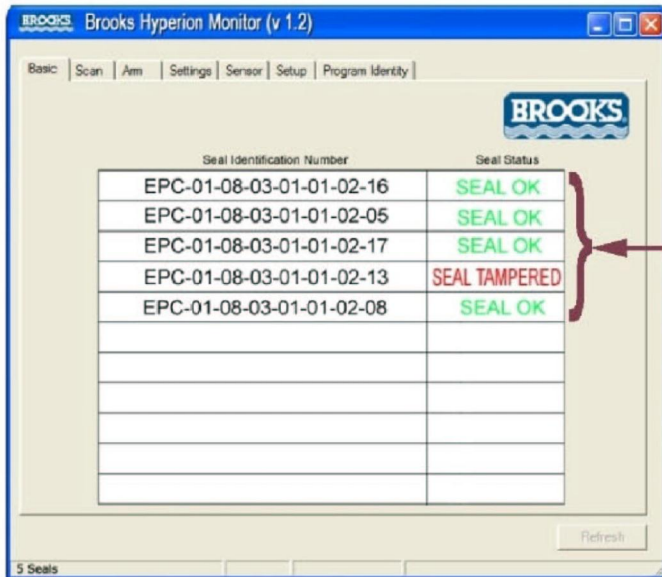
Contact: Don Kepley - don.kepley@tydenbrooks.com

1 800-458-7325 (SEAL)

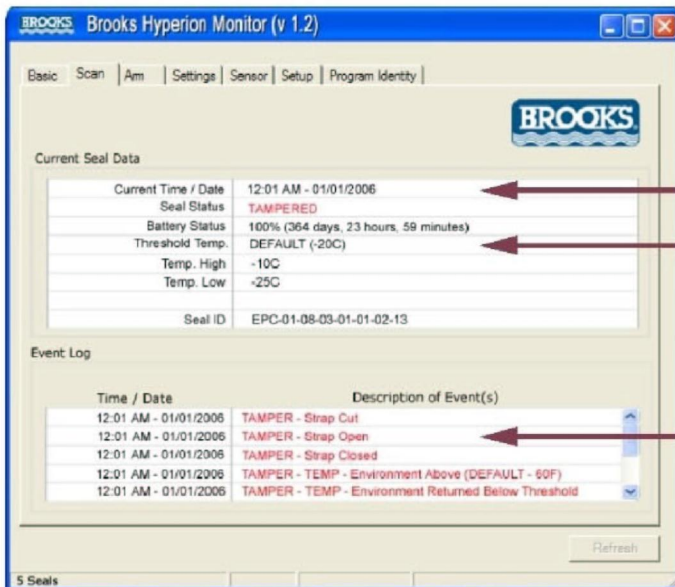
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Ability to query many seals at once



Real-Time Clock

Temperature Sensor

Event-Log

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