LinTRAK®

Linen UHF Tags for Textile Services

HID Global's LinTRAK® ultra-high frequency (UHF) radio-frequency identification (RFID) tags have been specifically designed to identify linen and textile products; due to their shape, durability and ease of fixation, they meet the tracking requirements of the laundry industry.

LinTRAK® Linen RAIN® RFID (UHF) Tags withstand the rigors of repeated washings, including exposure to water, cleaning chemicals, sterilizing heat, and water extraction pressure. The patented design securely positions the inner chip relative to the antenna, which guarantees consistent performance over the life of the tag.

LinTRAK tags are compliant with EPC global UHF Class 1 Gen 2 and ISO 18000-63 RAIN® RFID standards. This means that they are encoded with a unique EPC code, following GS1 standards (SGTIN96 format) which can be re-programmed to be compatible with any operating platform, in accordance with privacy laws. Custom encoding services are provided.

LINTRAK C15

Made of a fabric label embedded with a small UHF device coupled to a sewed thread antenna. It is easy to affix to textile items and provides excellent read performance, specifically in challenging situations at close proximity.

LINTRAK C15-S

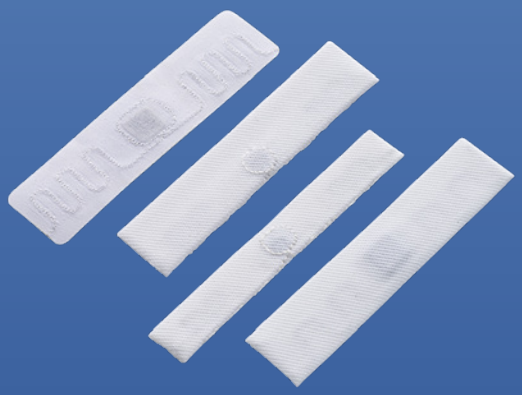
Features a softer, thinner, and more flexible line for an even more discreet insertion into textile products. The heat-seal version attaches effortlessly onto linen items and garments, when heat-sealing instructions are followed.

LINTRAK C15-MRI

Can be seamlessly inserted into the hem of textile items used not just in the hospitality industry but also in medical environments with MRI (magnetic resonance imaging) equipment. It features a 5 mm empty zone above the chip to ease the sewing process. LinTRAK C15-MRI also comes in reel format to automate insertion into linen items during their manufacturing process.

LINTRAK C10-MRI

The smallest in width of our LinTRAK tag family. It is discreet and non-obtrusive and can be seamlessly inserted in the hems of textile items such as linen, pillowcases and tablecloths. MR (magnetic resonance) compliant, it can be used in all types of MRI systems found in medical environments.



KEY BENEFITS:

- Specifically designed to identify linen products
- Resistant to harsh laundry processes
- Discreet, easy to integrate into textile items
- Excellent read performance

LinTRAK®

KEY TECHNOLOGY HIGHLIGHTS:

- RAIN® RFID EPC Class 1 Gen 2 and ISO 18000-63
- High water, chemical, heat and pressure resistance
- Guaranteed to withstand 200 commercial washing cycles or 3 years
- OEKO-TEX® Standard 100 Level 1 certified
- MR conditional for use in medical environments
- MR conditional tags are undetectable by needle detector machines and validated by the world's most experienced MR-safety testing company (MRSTS) at 1.5 and 3.0 Tesla, which is the highest rating that can be applied for an RFID device. This means that a patient with this device (integrated to linen or gown) can be scanned safely in an MR system.

	C15	C15-S	C15-MRI	C10-MRI
				
Base Model Number	TL650E17 (standard version) TL650E17M (laser-marked version)	TL650E20 (standard version) TL650E20H1 (heat-sealable version)	TLR6PE08 (standard version) TLR6PE08R (reel format)	TLR6PE06 (standard version) TLR6PE06M (laser-marked version)
	ELECTRONIC			
Operating Frequency	860-960 MHz (worldwide)			
Chip Type	Monza M5		Monza R6-P	
Memory	96 bits EPC (up to 128 bits)			
Reading distance (2W reader ERP, free space)	Up to 16 ft (5 m)			
	PHYSICAL			
Dimensions (Height +/- 1 mm, Length +/- 3 mm)	2.6 × 0.6 in (67 × 15 mm)	2.6 × 0.7 in (67 × 17 mm)	2.6 × 0.6 in (66 × 15 mm)	2.6 × 0.4 in (66 × 10 mm)
Thickness	0.082 in (2.1 mm) on chip location only; rest of tag is <0.03 in (0.8 mm)			
Mounting Method	Sew into hem or pouch	Sew into hem or heat seal (use heat seal version at 214°C heat sealing temperature)	Sew into hem or pouch, or directly onto textile due to the 5 mm height sewing zone above the chip	Sew into hem or pouch
Material	UHF module: encapsulated chip, epoxy / Antenna: multithreads, stitched, stainless steel / Fabric label: woven polyester			
Color	White			
	WASHING			
Max. Temperature	428°F (220°C) / 30 seconds			
Exposure	2.5 bars (36.25 PSI)			
Tunnel Washer	194°F (90°C) / 15 minutes			
Pre-Drying in Tumbler	320° F (160° C) / 30 minutes			
Tunnel Finisher	365° F (185° C) / 30 minutes			
Sterilization Process	273°F (134°C) / 20 minutes			
Water Extractor Press	60 bars (performance level measured and guaranteed in HID's laundry tests and conditions)			
Chemical Resistance	All standard chemicals used in laundry process			
	OTHER			
Standards	UHF EPC Class 1 Gen 2, ISO 18000-63			
Certification	OEKO-TEX® Standard 100 Level 1			
MR Conditional			Yes	
Box Size	200 pcs.	1000 pcs.	200 pcs.	
Personalization	Unique EPC code (unlocked). Custom EPC range & locking on request. LinTRAK C10-MRI and C15 can be laser-marked with TID. Can be encoded.			
Options	Can also be sold inside a white fabric pouch		Can also be sold inside a white fabric pouch. Reel format (1200 units) available.	Can also be sold inside a white fabric pouch
Warranty	200 washing cycles or 3 years			

MR

RAIN RFID

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 CQ 1210/1 IFTH
Tested for harmful substances.
www.oeko-tex.com/standard100