

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® 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-M730

LinTRAK C15-M730 features a flexible design and integrates the latest generation IC, providing a 40% read range improvement compared to its predecessor, LinTRAK C15. It can be sewn directly onto linen items, placed under an oversize thermo-adhesive patch or inside a fabric pouch.

LINTRAK C15H-M730

LinTRAK C15H-M730 is a heat-sealable tag, ideally suited for garments and uniforms identification and tracking. It attaches directly and effortlessly onto linen items, when heat-sealing instructions are followed.

LINTRAK C15-MRI/R6P

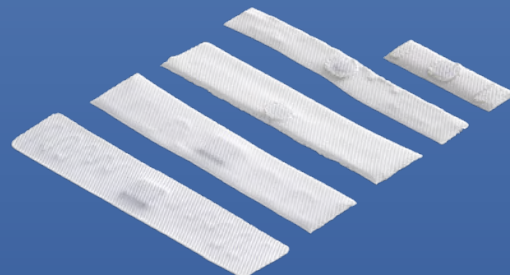
LinTRAK C15-MRI/R6P can be seamlessly inserted into the hem of textile items used not just in the hospitality industry but also in medical environments with MRI (magnetic resonance imaging) equipment. It features a 5 mm empty zone above the chip to ease the sewing process. LinTRAK C15-MRI/R6P also comes in reel format to automate insertion into linen items during their manufacturing process.

LINTRAK C10-MRI

LinTRAK C10-MRI is just 10mm wide. 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.

LINTRAK XS

LinTRAK XS is the smallest tag of our LinTRAK family. Measuring just 30 x 10 mm, it is ideal for integration into small textile items and personal clothing, such as nursing homes and care facilities' resident wear.



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 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 MRI system.






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	C15-M730	C15H-M730	C15-MRI /R6P	C10-MRI	XS
					
Base Model Number	TL730E01	TL730E03H	TLR6PE08 (standard version) TLR6PE08R (reel format)	TLR6PE06 (standard version) TLR6PE06M (laser-marked version)	TL730E02
	ELECTRONIC				
Operating Frequency	860-960 MHz (worldwide)				
Chip Type	Monza M730	Monza M730	Monza R6-P		Monza M730
Memory	128 bits EPC				
Reading distance (2W reader ERP, free space)	Up to 26 ft (8m)	Up to 21.3 ft (6,5m)	Up to 16 ft (5m)		Over 5.58 ft (1,7m)
	PHYSICAL				
Dimensions (Height +/- 1 mm, Length +/- 3 mm)	2.6 x 0.6 in (67 x 15 mm)	2.7 x 0.6 in (70 x 15 mm)	2.6 x 0.6 in (66 x 15 mm)	2.6 x 0.4 in (66 x 10 mm)	1.2 x 0.4 in (30 x 10 mm)
Thickness	0.082 in (2.1 mm) on chip location only; Rest of tag is <0.03 in (0.8 mm)	0.073 in (1,86 mm) on chip location only. Rest of tag is 0.02 in (0,5 mm)	0.082 in (2.1 mm) on chip location only. Rest of tag is <0.03 in (0,8 mm)		
Mounting Method	Sew directly onto item or inside a fabric pouch, or fixed under an oversize heat-seal patch	Heat-seal at 399°F (204°C), 4-5 bars, during 14 seconds. Allow a 5-minute cool down period before introducing the newly RFID-enabled item into harsh laundry processes.	Sew inside hem or fabric pouch, or directly onto textile item thanks to the 5mm height sewing zone. The reel format enables direct automated insertion during the linen manufacturing process (source tagging).	Sew into hem, inside a fabric pouch or fixed under an oversize heat-seal patch	Sew into hem or fabric label, or fixed under an oversize heat-seal patch
Material	UHF module: encapsulated chip, epoxy / Antenna: multithreads, stitched, stainless steel / Fabric label: woven polyester	UHF module: encapsulated chip, epoxy / Antenna: multithreads, stitched, stainless steel / Fabric label: woven polyester, polyurethane and long fiber paper	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				N/A
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	No	No	Yes		No
MOQ	2000 pcs.				
Personalization	Unique EPC code (unlocked). Custom EPC range & locking on request. Can be encoded.			Unique EPC code (unlocked). Custom EPC range & locking on request. Can be encoded. Can be laser-marked with TID	Unique EPC code (unlocked). Custom encoding possible
Options	Can also be sold inside a white fabric pouch. Contact us for specifications		Can also be sold inside a white fabric pouch. Contact us for specifications. Reel format is 1000 units	Can also be sold inside a white fabric pouch. Contact us for specifications	
Warranty	200 washing cycles or 3 years				

