

LinTRAK Tags

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 measures 67 x 15 mm and features a flexible design, integrating the latest generation IC. It can be sewn directly onto linen items, placed under an oversize thermo-adhesive patch or inside a fabric pouch.

LINTRAK C15S-MRI-M730

LinTRAK C15S-MRI-M730 measures 52 x 15 mm and can be easily sewn onto textile items thanks to a 5 mm empty zone above the chip to ease the sewing process. MR (magnetic resonance) compliant, it can be used in all types of MRI systems found in medical environments.

LINTRAK C10S-MRI-M730

LinTRAK C10-MRI measures 46 x 10 mm. It is discreet and non-obtrusive and can be seamlessly inserted in the hems of textile items such as bed linen, pillowcases and tablecloths. MR

(magnetic resonance) compliant, it can be used in all types of MRI systems found in medical environments.

LINTRAK XS-M730

LinTRAK XS-M730 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.

LINTRAK C15H-MRI-M730

LinTRAK C15H-MRI-M730 is a heat-sealable tag, ideally suited for garments and uniforms identification and tracking. Measuring 70 x 15 mm, it attaches directly and effortlessly onto linen items, when heat-sealing instructions are followed. It is also MR-conditional and can be used in all types of MRI systems found in medical environments.

LINTRAK C15SH-M730

LinTRAK C15SH-M730 is also a heat-sealable tag. Almost half the size of the above LinTRAK tag, it measures 46 x 15 mm, and attaches directly and effortlessly onto linen items, when heat-sealing instructions are followed.



KEY BENEFITS:

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

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.

DATASHEET



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	Heat-sealable LinTRAK tags					
	C15-M730	C15S-MRI-M730	C10S-MRI-M730	XS-M730	C15H-MRI-M730	C15SH-M730
						
Base Model Number	TL730E01	TL730E10	TL730E04	TL730E02	TL730E03H	TL730E07H
ELECTRONIC						
Operating Frequency	860-960 MHz (worldwide)					
Chip Type	Monza M730					
Memory	128 bits EPC					
Reading distance (2W reader ERP, free space)	Up to 26 ft (8m)	Up to 16 ft (5m)		Over 5.58 ft (1,7m)	Up to 21.3 ft (6,5 m)	Up to 16 ft (5 m)
PHYSICAL						
Dimensions (Height +/- 1 mm, Length +/- 2 mm)	2.6 x 0.6 in (67 x 15 mm)	2.04 x 0.6 in (52 x 15 mm)	2.04 x 0.4 in (52 x 10 mm)	1.2 x 0.4 in (30 x 10 mm)	2.7 x 0.6 (70 x 15 mm)	1.8 x 0.6 in (46 x 15 mm)
Thickness	0.078 in (2 mm) on chip location only, rest of tag is <0.008 in (0.2 mm)					
Mounting Method	Sewn, inserted inside hem or pouch, or fixed under a heat-seal label	Sewn directly onto textile items using the 5mm height sewing zone, or sewn inside hem or fabric pouch, or fixed under a heat-seal label.	Sewn, inserted inside hem or pouch, or fixed under a heat-seal label	Fixed under a heat-seal label	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	
Material	UHF module: encapsulated chip, epoxy / Antenna: multithreads, stitched, stainless steel / Fabric label: woven polyester				UHF module: encapsulated chip, epoxy / Antenna: stainless steel multithreads / Fabric label: woven polyester and polyurethane as external layer	
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	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	No	Yes		No	Yes	No
MOQ	2000 pcs.					
Personalization	Unique EPC code (unlocked). Custom encoding possible. Can be laser-marked with TID.			Unique EPC code (unlocked). Custom encoding possible	Unique EPC code (unlocked). Custom encoding possible. Can be laser-marked with TID.	
Options	Can also be sold inside a white fabric pouch. Contact us for specifications.					
Warranty	200 washing cycles (according to ISO 15797:2017) or 3 years or up to 100 sterilization cycles					



For more information, contact: tagsales@hidglobal.com



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