

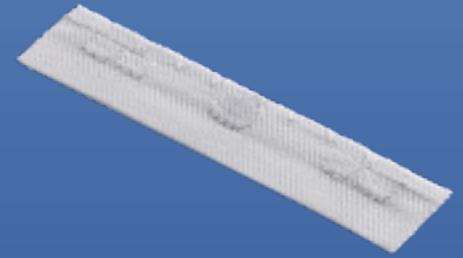
LinTRAK® C15-MRI

HID Global's LinTRAK® ultra-high frequency RAIN® (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. They 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-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 (LinTRAK C15-MRI /R) to enable direct automated insertion into linen items during their manufacturing process. To provide superior integration speed and accuracy, we have designed a specific hardware device, in collaboration with leading linen producers, to be directly and seamlessly integrated into linen manufacturing machinery. Please contact us for more information.



UHF TAGS FOR TEXTILE SERVICES

- Specifically designed to identify linen products
- Resistant to harsh laundry processes
- Discreet, easy to integrate into textile items
- MR-conditional RFID tag

LinTRAK® C15-MRI

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.

For more information, contact: tagsales@hidglobal.com



hidglobal.com

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LinTRAK® C15-MRI

LinTRAK® C15-MRI/R

		
Base Model Number	TLR6PE08	TLR6PE08R
	ELECTRONIC	
Operating Frequency	860-960 MHz (worldwide)	
Chip Type	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 Length +/- 3mm Height +/- 1mm	2.6 x 0.6 in (66 x 15 mm)	2.6 x 0.6 in (66 x 15 mm) Reel diameter: 15,7 in (40 cm)
Thickness	0.082 in (2.1 mm) on chip location only; rest of tag is <0.03 in (0,8 mm)	
Mounting Method	Sewn into hem or pouch, or directly onto textile item thanks to the 5mm height sewing zone above the chip	Direct integration into linen manufacturing process. Tags are automatically tested (100%), cut and pushed out for insertion into linen product
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	
Certifications	OEKO-TEX® Standard 100 Level 1 MR-Conditional	
Box Size	200 pcs.	1200 pcs.
Personalization	Unique EPC code (unlocked). Custom EPC range & locking on request. Laser-marked with TID. Can be encoded.	
Options	Can also be sold inside a white fabric pouch.	
Waranty	200 washing cycles or 3 years	

