

# LinTRAK® C10-MRI



## DESCRIPTION

HID Global's LinTRAK® ultra-high frequency RAIN® (UHF) radiofrequency 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® C10-MRI measures just 10 x 66 mm. Discreet and un-obtrusive, it can be seamlessly inserted into the hems of textile items to enable fast identification and automated counts, individually or in bulk quantity. It can be used in the hospitality industry but also in medical environments with MRI (magnetic resonance imaging) equipment.

## 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.

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<b>Base Model Number</b>	TLR6PE06 (standard version) TLR6PE06M (laser-marked version)
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## ELECTRONIC

<b>Operating Frequency</b>	860-960 MHz (worldwide)
<b>Chip Type</b>	Monza R6-P
<b>Memory</b>	96 bits EPC (up to 128 bits)
<b>Reading distance</b> (2W reader ERP, free space)	Up to 16 ft (5 m)

## PHYSICAL

<b>Dimensions</b> (Length +/- 3 mm Height +/- 1 mm)	2.6 x 0.4 in (66 x 10 mm)
<b>Thickness</b>	0.082 in (2.1 mm) on chip location only; rest of tag is <0.03 in (0,8 mm)
<b>Mounting Method</b>	Sewn into hem or pouch
<b>Material</b>	UHF module: encapsulated chip, epoxy / Antenna: multithreads, stiched, stainless steel / Fabric label: woven polyester
<b>Color</b>	White

## WASHING

<b>Max Temperature</b>	428°F (220°C) / 30 seconds
<b>Exposure</b>	2,5 bars (36,25 PSI)
<b>Tunnel Washer</b>	194°F (90°C) / 15 minutes
<b>Pre-Drying in Tumbler</b>	320° F (160° C) / 30 minutes
<b>Tunnel Finisher</b>	365° F (185° C) / 30 minutes
<b>Sterilization Process</b>	273°F (134°C) / 20 minutes
<b>Water Extractor Press</b>	60 bars (performance level measured and guaranteed in HID's laundry tests and conditions)
<b>Chemical Resistance</b>	All standard chemicals used in laundry process

## OTHER

<b>Standards</b>	UHF EPC Class 1 Gen 2, ISO 18000-63
<b>Certifications</b>	OEKO-TEX® Standard 100 Level 1 MR-Conditional
<b>Box Size</b>	200 pcs.
<b>Personalization</b>	Unique EPC code (unlocked). Custom EPC range & locking on request. Laser- marked with TID. Can be encoded
<b>Options</b>	Can also be sold inside a white fabric pouch. Contact us for our pouch specifications.
<b>Waranty</b>	200 washing cycles or 3 years

