LinTRAK C15S-MRI-M730

UHF Tags for Textile Services

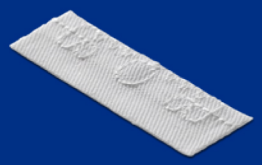
HID's LinTRAK® ultra-high frequency RAIN® (UHF) radio-frequency identification (RFID) tags have been specifically designed to identify textile products; thanks to their shape, durability, and ease of fixation, they meet the tracking requirements of the laundry industry.

They withstand the rigors of repeated washings, including exposure to water, cleaning chemicals, sterilizing heat, and water extraction pressure. The patented process 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 1800-63 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 C15S-MRI-M730 can be easily attached onto textile items thanks to a 5 mm empty zone above the chip to ease the sewing process. Measuring just 15 x 52 mm, it is much smaller than its predecessor LinTRAK C15-MRI.

Based on the latest generation IC, LinTRAK C15S-MRI-M730 offers similar outstanding read performance which, combined with low minimum activation power to support densely stacked conditions, make it an optimal choice for demanding textile services applications.



LINTRAK C15S-MRI-M730

- Specifically designed to identify textile products
- Resistant to harsh laundry processes
- Featuring a convenient 5mm sewing zone
- Embeds the latest generation IC for improved performance

LinTRAK® C15S-MRI-M730

KEY TECHNOLOGY HIGHLIGHTS:

- RAIN RFID EPC Class 1 Gen and ISO 18000-63
- Water, chemical, heat and mechanical 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
- Compatible with medical environments (MRI equipment) and undetectable by needle detector machines. Validated by the world's most experienced MR-safety testing company (MRSTS) at 1.5 and 3.0 Tesla, the typical ratings at which a patient can be safely scanned in an MR system.

	LinTRAK C15S-MRI-M730
	
Base Model Number	TL730E10
	ELECTRONIC
Operating Frequency	860-960 MHz (worldwide)
Chip Type	Monza M730
Memory	128 bits EPC
Reading distance (2W reader ERP, free space)	Up to 16 ft (5 m)
	PHYSICAL
Dimensions	2.04 x 0.6 in (52 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
Material	UHF module: encapsulated chip, epoxy / Antenna: stainless steel multithreads Fabric label: 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) / 2 bars / 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.
Personalization	Unique EPC code (unlocked). Custom encoding possible Can be laser-marked with TID.
Warranty	200 washing cycles (according to ISO 15797:2017) or 3 years or up to 100 sterilization cycles

For more information, contact:
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HID
hidglobal.com

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