

# LinTRAK® XS

## UHF Tags for Textile Services



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. LinTRAK tags are produced using a patented manufacturing process, 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 XS is the smallest tag of HID's 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 XS is soft and thin. Its reduced form factor is ideal for applications requiring absolute discretion when sewn, patched under a thermo-adhesive label, or inserted in a hem.

LinTRAK XS has been designed for environments where shorter unitary reading distances are accepted, while offering optimized mechanical resistance and excellent read performance in high-density conditions (multiple tagged items stacked together).

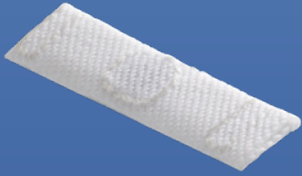


- Specifically designed to identify linen products
- Resistant to harsh laundry processes
- The smallest LinTRAK tag

### 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

# LinTRAK® XS



LinTRAK® XS	
<b>Base Model Number</b>	TL730E02
	<b>ELECTRONIC</b>
<b>Operating Frequency</b>	860-960 MHz (worldwide)
<b>Chip Type</b>	Monza M730
<b>Memory</b>	96 bits EPC (up to 128 bits)
<b>Reading distance (2W reader ERP, free space)</b>	Over 5.58 ft (1,7 m)
	<b>PHYSICAL</b>
<b>Dimensions Length +/- 2 mm Height +/- 1 mm</b>	1.2 x 0.4 in (30 x 10 mm)
<b>Thickness</b>	0.086 in (2,2 mm) on chip location only; rest of tag is <0.06 in (1,5 mm)
<b>Mounting Method</b>	Sew into hem or fabric label, or fixed under an oversize heat-seal patch
<b>Material</b>	UHF module: encapsulated chip, epoxy / Antenna: multi-threads, stiched, stainless steel / Fabric label: woven polyester
<b>Color</b>	White
	<b>WASHING</b>
<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>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
	<b>OTHER</b>
<b>Standards</b>	UHF EPC Class 1 Gen 2 v2, ISO 18000-63
<b>Certifications</b>	OEKO-TEX® Standard 100 Level 1
<b>MOQ</b>	2000 pcs.
<b>Personalization</b>	Unique EPC code (unlocked). Custom encoding possible.
<b>Warranty</b>	200 washing cycles or 3 years



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