

UHF LAUNDRYCHIP™ 40I

Unsurpassed reading performance in the slimmest LaundryChip™ ever

FT40I-ST / FT40I-PA / FT40I-POUCH



Product info

- Smallest dimensions
- Improved flexibility
- Best reading performance: ultra-high-density bulk reading.
- Stronger than ever: tested in real-world laundries and guaranteed for 200 washing cycles with water extractors up to 60 bar.
- ISO 18000-6C compliant
- Fully compatible with the 301 LaundryChip™ family.
- Certifications: MR conditional and Oeko-Tex® certified.
- Available in 3 versions: source tagging (sewn), patchable (heat-sealable) and in pouch. Further option: laser markable with the EPC code.

Product Description

With excellent bulk-reading performance and the highest level of thermal and mechanical resistance, this new UHF generation transponder, with the thickness halved and the width reduced by 33%, can now be inserted into the narrow hems of tiny flat linen items as well as into the finest garments (making it widely suitable for private wear). The extraordinary no-wear feeling and unnoticeable look greatly improves the comfort of wearing a transponder.



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Technical data

40I Source Tagging

FT40I-ST



40I Patchable / in Pouch

FT40I-PA / FT40I-Pouch



Tag Dimensions (L x W x H)	70 x 10 x 1.3 mm	70 x 15 x 1.3 mm
Tag Weight (approx.)	0.30 g	0.40 g
Tag Materials	50/50 polycotton or full polyester	
Tag Warranty	First of 200 wash cycles or 100 autoclave cycles or 3 years from ship date	
Tag Memory	96 or 128* bits EPC (*UL version only)	
Read Distance	Up to 6 meters (up to 19 feet)	
Operating Power	Passive, operates through antenna's RF field	
Operating Frequency	865 - 928 MHz	
Typical washing cycle	Washing: +90°C (194°F), 15 minutes Drying: +180°C (356°F), 3 minutes Ironer: +200°C (392°F), 12 seconds Water Extractor: 60 bar, 80 seconds	
Autoclave	Air removal: +100°C (+212°F), 5 minutes, 0.1 bar Sterilizing: +134°C (+273°F), 10 minutes, 3.25 bar Drying: +45°C (+113°F), 15 minutes, 0.2 bar	
Patching instructions	+204°C (399°F), 12 seconds, 0.5 kg/cm2	
Storage Temperature	-40°C to +120°C (-40°F to +248°F)	
Chemical Resistance	All Chemicals common to the washing process	
Compliance	ISO/IEC 18000-6C EPC Class 1 Gen 2	
Certifications	OEKO-TEX® Standard 100 product class II, MR Conditional (I.5T - 3T)	

Each transponder produced by Datamars is encoded with a unique 96 bits EPC following GS1 standards. The transponder code cannot be altered nor re-programmed. For customers willing to encode their own EPC, Datamars provides custom coding services or a re-programmable transponder version named FT401 UL.

Standard Tag Pouch	Material: 100% polyester Dimensions: 27 x 80 mm (1.06" x 3.15") Up to 4 colors embroidery Custom sizes available (minimum order quantities apply for customization)
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Ordering information

FT401-ST	950 0200-282
FT401-ST UL	950 0200-299
FT401-PA	950 0200-287
FT401-PA UL	950 0200-298
FT401 in Pouch (generic)	950 0200-294
FT401 in Pouch (custom)	(upon request)