

UHF LAUNDRYCHIP™ 403

The smallest UHF LaundryChip™ ever, perfect for private wear.

FT403

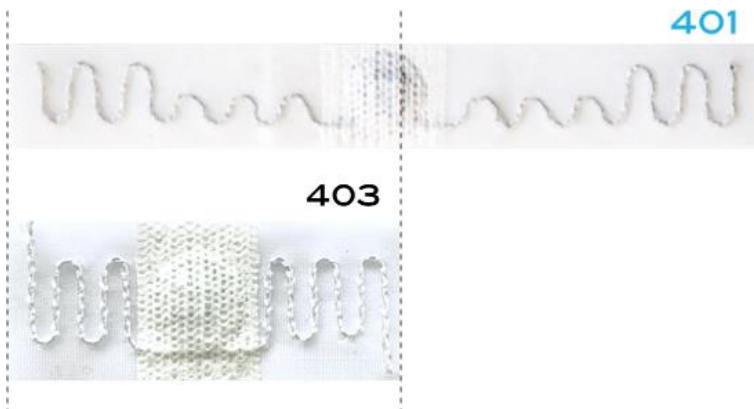


Product info

- Smallest dimensions ever: **37** x 15 x 1.3 mm!
- Maximum flexibility
- Very good reading performance in the most compact form factor.
- Patented double loop antenna to guarantee outstanding electrical performance in an incredibly small size.
- Tested in real laundries and guaranteed for 200 washing cycles with water extractors up to 60 bar.
- ISO 18000-6C compliant

Product Description

The FT403 is Datamars' smallest UHF LaundryChip. It has been designed to maximize reading performance in an extremely reduced form factor. The extraordinary no-wear feeling and unnoticeable look greatly improves the comfort of wearing a transponder and makes it particularly suited for the identification of private wear. On top of its small size, the FT403 features the same outstanding mechanical resistance of the whole UHF 40x family and can withstand even the harshest laundry environments. The FT403 perfectly completes the FT40x series of LaundryChip™ in applications that can cope with lower reading distance and in which the transponder shall be totally imperceptible. Available in a unique versatile version ST/PA.



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FT403

Technical data

Tag Dimensions (L x W x H)	37 x 15 x 1.3 mm (vs 401ST : 70 x 10 x 1.3 mm and vs 401PA : 70 x 15 x 1.3 mm)
Tag Weight (approx.)	0.30 g
Tag Material	50/50 polycotton
Tag Warranty	First of 200 wash cycles or 100 autoclave cycles or 3 years from ship date
Tag Memory	96 bits EPC
Data retention	min 50 years
Read Distance	Up to 3 meters (up to 9 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/cm ²
Storage Temperature	-40°C to +85°C (-40°F to +185°F) in a dry environment protected from sunlight
Chemical Resistance	All Chemicals common to the washing process
Compliance	ISO/IEC 18000-6C EPC Class 1 Gen 2

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.

Ordering information

FT403 (unique version ST/PA)	950 0200-385
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