

UHF LAUNDRYCHIP™ 403 with 2D code

The smallest UHF LaundryChip™ ever, perfect for private wear, with a smartphone-readable 2D code!

FT403 QR



FT403 MX



Product info

- Available with Datamatrix or QR code, readable by any smartphone
- Unique version ST/PA
- Smallest dimensions ever: 37 x 15 x 1.3 mm!
- Maximum flexibility
- Very good reading performance in the most compact form factor.
- Tested in real laundries and guaranteed for 200 washing cycles with water extractors up to 60 bar.
- ISO 18000-6C compliant
- Fully compatible with the 301/401 LaundryChip™ family.

Product Description

Providing both a smartphone readable solution combined with top of the range UHF reading performances the FT403 MX and FT403 QR are the perfect solutions when the tags need to be read even when UHF reading systems are not always available. The tags are proposed in two versions (QR code or Datamatrix) with the 2D code containing the EPC of the UHF code. Customizations of the 2D code is also possible in order to link the 2D code to a website or any other piece of information. Particularly suited for the identification of private wear, the FT403 is Datamars' smallest UHF LaundryChip, featuring the same outstanding mechanical resistance as the other Datamars UHF LaundryChips.

UHF LAUNDRYCHIP™ 403 with 2D code

FT403 QR; FT403 MX

Technical data

Tag Dimensions (L x W x H)	37 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
2D code	Datamatrix or QR, up to 25 alphanumeric characters
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	N/A
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 OEKO-TEX® Standard 100 product class II

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 QR	950 0200-428	with QR code
FT403 MX	950 0200-429	with Datamatrix code