

# GARMENT TAG

## BEST PROVEN TAG FOR LAUNDRY APPLICATIONS

The Garment Tag is based on the Ario™ smart label operating at 13.56MHz, the frequency that works best in industrial laundry environments. Coated in thin plastic, the Garment Tag is resistant to water, extreme temperatures, chemicals and harsh environments. Small and thin, it can easily and unobtrusively be affixed and patched onto fabric.



The Garment tag is available in read-only, read/write and multi-read (read several tags/garments at the same time).

This tag offers a resistance that makes it suitable for other applications in industrial environments. Successfully tested and currently used by some of the largest industrial laundries in the world, the Garment Tag offers a warranty of 100 washing cycles over 3 years and the following characteristics:

- Patching temperature: up to 200°C (392°F) for 15 seconds/ Pressure up to 2.5 bars (37-40 psi)
- Wetting: room temperature / 5 minutes / emulsifier
- Pre-wash: up to 60°C (140°F) / 15 minutes / cleaning products
- Washing: up to 85°C (185°F) / 16 minutes
- Rinse: 6 minutes
- Spin-drying: room temperature / 12 minutes/600g (21 ounces)
- Drying: 160°C (320°F) / up to 30 minutes

Combined with various reading stations especially designed for the laundry application, the Garment Tag is the heart of a global solution which allows complete (100%) automation of laundry processing (i.e. sorting on conveyors) at a reading speed up to 12,000 garments per hour.

### Technical Specifications:

Name	Ario 10-SL	Ario 40-SL	Ario 20-SL
Functionality	Read-Only	Read/Write	Multi Read
Frequency	13.56 MHz		
Memory	64 bits	2 Kbits	128 bits
Reading/Writing Distance*	30 cm (12 inches)	25 cm (10 inches)	15 cm (6 inches)
Data Transmission	Standard: 26 Kb/s – Options 1.13 or 105 Kb/s		
Dimensions	17 x 17 mm (.68 x .68 inches)		
Thickness	1.75 mm		
Weight	0.5 grams		
Temperature	Maximum 150°C (302°F) for 168 hours – Minimum -55°C (-67°F) for 96 hours Damp heat 83°C (183°F) – 85% RH (1,000 hours)		

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\* Performance varies according to smart label type and size as well as antenna size

