

## TRANSPONDER

T-BT1315 HT "ORION"  
HF – multi read



### Customer benefits:

- Fully ISO 15693 / 18000-3 compatible LaundryChip™
- Developed to withstand the highest levels of water extractor presses
- Optimized shape reduces the risk of damages to textiles
- Multi-purpose transponder suitable for all types of linens, garments, mats and mops
- Robust LaundryChip™ lasts for up to 200 washing cycles



### Product description:

With the T-BT1315 HT "ORION" tag, DATAMARS launches its 'next generation' LaundryChip™ for the textile service markets. Thanks to its new design and material, this tag can withstand the highest levels of water extractor pressures, typically used for flat linen products such as towels, sheets or table cloths. As hard tag with optimized shape, "ORION" reduces the risk of damage to textiles during the ironing process, making it ideal for the hospitality, healthcare and workwear segments.

Mechanical Drawing	Product qualification
	<p><b>Patching</b>            220°C (428°F), 20 seconds 1 cycle</p> <p><b>Washing</b>            90°C (194°F), 15 minutes 200 cycles</p> <p><b>Water extractor</b>    up to 50 bars*</p> <p><b>Tumbler</b>            T input 185°C (365°F) T output 95°C (203°F) 3 minutes 200 cycles</p> <p><b>Tunnel finisher</b>    180°C (356°F) 10 minutes 200 cycles</p>

## TECHNICAL DATA:

<b>Weight:</b>	~0.80g
<b>Temperature:</b>	<b>Storage:</b> -40°C – +120°C (-40°F – +248°F) <b>Operating:</b> see product qualification
<b>Material:</b>	PPS
<b>Mechanical resistance:</b>	up to 50 bars*
<b>Chemicals:</b>	All common chemicals in the washing process
<b>Reading distance:</b>	Up to 40 cm (15.7") (with A-ST1330)
<b>Reading speed:</b>	> 40 pcs/second with R-IN1300
<b>Lifetime:</b>	200 wash cycles or 3 years from shipping date (whichever comes first)
<b>Power supply:</b>	Passive, through antenna RF field
<b>ISO:</b>	ISO 15693 / ISO 18000-3
<b>Ordering information:</b>	T-BT1315 HT "ORION"

Subject to change without notice

\* Results based on parameters used in our laundry tests.

DATAMARS, the inventor of the LaundryChip™, offers innovative RFID-based solutions which are the result of 20 years of industry experience that have enabled the company to establish itself as the global market leader in the textile identification market, with more than 700 clients in 24 countries and over 100 million RFID chips in use. DATARS RFID solutions are renowned for their accuracy and reliability by all equipment manufacturers serving the textile service industry.

These solutions can be tailored to specific customer requirements and are completed by attractive service & support offerings.

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