

TRANSPONDER

T-BT1320 HT "ORION"
HF – multi read



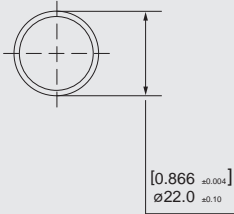
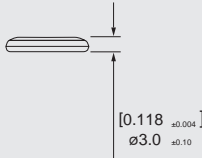
Customer benefits:

- Fully ISO 15693 / 18000-3 compatible LaundryChip™
- Up to 25% more reading distance compared to standard 15mm HF chips
- Optimized shape reduces the risk of damages to textiles
- Multi-purpose transponder, suitable for uniforms, mats and most textiles
- Robust LaundryChip™ lasts for up to 200 washing cycles



Product description:

The new T-BT1320 HT LaundryChip™ is part of DATAMARS' recently introduced "ORION" tag family. Compared to the standard 15mm HF chips, this larger tag (diameter: 22mm), offers significantly longer read ranges, guaranteeing virtually 100% reading accuracy in complex, dynamic applications. This 'next generation' HF tag offers an increased overall performance, with highest levels of mechanical & thermal resistance, making the T-BT1320 HT "ORION" transponder a robust, all-round solution for a wide array of textile service applications, from rental uniforms to the healthcare and dust control markets.

Mechanical Drawing	Product qualification
	<p>Patching 220°C (428°F), 30 seconds 1 cycle</p> <p>Washing 90°C (194°F), 15 minutes 200 cycles</p> <p>Water extractor up to 32 bars*</p> <p>Tumbler T input 185°C (365°F) T output 95°C (203°F) 3 minutes 200 cycles</p>
	<p>Tunnel finisher 180°C (356°F) 10 minutes 200 cycles</p>

TECHNICAL DATA:

Weight:	1.70 g
Temperature:	Storage: -40°C – +120°C (-40°F – +248°F) Operating: see product qualification
Material:	PPS
Chemicals:	All common chemicals in the washing process
Reading distance:	Up to 55 cm (with A-ST1330)
Reading speed:	Up to 40 pcs/second with R-IN1300
Lifetime:	200 wash cycles or 3 years from shipping date (whichever comes first)
Power supply:	Passive, through antenna RF field
ISO:	ISO 15693 / ISO 18000-3
Ordering information:	T-BT1320 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. DATAMARS 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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