



## High-Temperature resistance for coating lines and industrial applications

SMARTRAC SMART-HT-TAGS have been specifically designed to meet high-temperature requirements in industrial applications and coating lines. Made from PPS, the SMART-HT-TAGS offer high resistance to harsh surrounding conditions, in particular resistance to high-temperature, mechanical stress and most chemicals.

The high-temperature tags have been successfully tested to sustain 200°C for 60 minutes, 220°C for 45 minutes, and 240°C for 30 minutes. Furthermore, SMART-HT-TAGS resist acetone, 5% Sodium Carbonate, 5% Saltwater, 5% Freshwater, 5% Acetic Acid, and 60% Ethyl Alcohol. The high-temperature tags are also tested for vibration and shock resistance according to IEC 86.2.6 and IEC 68.2.29.

SMARTRAC SMART-HT-TAGS provide reliable read range and excellent performance. The tags contribute to process acceleration, efficiency gains and optimized tracking and tracing of goods and parts. Due to their high resistance, they are very well suited to tap the benefits of passive RFID in harsh environments and demanding industrial applications.

13.56 MHz

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NXP ICODE SLIX

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51 x 51 mm (2.01 x 2.01 in)

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-25 to 85°C / -13 to 185°F

ISO 15693  
ISO 18 000-3  
IP68

Coating lines  
Metalworking industry  
High-temperature industrial  
applications with rough  
conditions

Robustness, IP68 protected  
High-temperature resistance  
Mechanical and chemical  
resistance

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## High-Temperature resistance for coating lines and industrial applications

IC	NXP ICODE SLIX
Memory	1k bit
Frequency	13.56 MHz
Tag Size	51 x 51 mm / 2.01 x 2.01"
Thickness	6.5 mm / 0.26"
Operating Temperature	-25°C to 85°C / -13°F to 185°F
Storage Temperature	-40°C to 185°C / -40°F to 365°F (max 1,512h)
Material	PPS
Color	Black
IP Class	IP68
Qty/Package	100 tags / box
Shelf Life	20°C / 68°F, 50% RH - minimum 2 years from the date of manufacturing

Additional memory, protocol and product configurations are available upon request.

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