

## SMART-IDISC-TAG

The right choice for demanding conditions.



The SMARTRAC Smart-iDisc-Tag product family is a robust solution purpose-built for use in severe industrial environments. Smart iDisc-Tag with Fujitsu FRAM IC is especially designed for different kinds of medical applications due to the bigger memory size and resistance to gamma radiation.

Made of polyamide and glass fiber reinforced, the tag is the right choice for outside applications as it is very compact and resistant. It is ideal for items that need to be securely identified and that are regularly subjected to high thermal and/or mechanical stress conditions. Examples include items that pass hot water cleaning processes or are used in other high temperature environments found in some heavy industries.

Thanks to its molding and specific modified thermoplastic, the Smart-iDisc-Tag can withstand long water immersion, chemicals and high temperatures. Equipped with an anti-collision feature it offers the advantage that several tags can be read at the same time thus accelerating and simplifying processes.

### Benefits:

- ▶ Waterproof.
- ▶ Resistant to gamma radiation.
- ▶ Stable to high thermal and mechanical stress.
- ▶ Anti-collision feature: several tags can be read at the same time.

### Overview

**Operating Frequency**  
13.56 MHz

**Integrated Circuit (IC)**  
Fujitsu FRAM 2kB, rev. C  
other ICs available on request

**Tag Size**  
Ø 20 mm (0.79 in)  
Ø 30 mm (1.18 in)  
Ø 50 mm (1.97 in)

**International Standards**  
ISO 15693  
ISO 18000-3  
IP67

**Operating Temperature**  
-20 to 85°C / -4 to 185°F

**Quality Assurance**  
100% performance tested

### Application Areas

- ▶ Medical Applications
- ▶ Pallet Identification
- ▶ Warehouse Management

## SMART-IDISC-TAG

Technical Features			
IC	Fujitsu FRAM 2kB, rev. C		
Memory	2k Byte		
Frequency	13.56 MHz		
Tag Size	Ø 20 mm / 0.79"	Ø 30 mm / 1.18"	Ø 50 mm / 1.97"
Thickness	2.5 mm / 0.10"	3 mm / 0.12"	3.6 mm / 0.14"
Hole Diameter	N/A	5.2 mm / 0.20"	5.2 mm / 0.20"
Qty/Package	400 tags / box	1,000 tags / box	250 tags / box
Operating Temperature	-20°C to 85°C / -4°F to 185°F		
Storage Temperature	-35°C to 100°C / -31°F to 212°F (max 168h)		
Material	Polyamide with glass fiber		
Color	Black		
IP Class	IP67		
Shelf Life: minimum of 2 years from the date of manufacture in	20°C / 68°F, 50% RH		
Additional options	Printing		



RoHS CE

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