



AGX RW AC Tag (Healthcare Version)

Product Description	AGX RW AC Tag	
Electrical Characteristics		
Operating Frequency	UHF 902-928 MHz (US); 866-868 MHz (EU)	
Chip type	Alien Higgs-3	
RFID Standards	EPCGlobal Class1Gen 2; ISO18000-6C	
Read range	Depending on read/write performance of the RFID Reader up to 16.4 ft (5 m)	
Memory configuration	96-bit EPC ; 512-bit user memory; 64-bit TID	
Memory – expected read / write cycles	100,000 cycles at 77°F (25°C)	
Polarization	Linear	
Application temperature (MIL STD 810-F)	from -40°F (-40°C) +482°F (+250°C)	
Operational temperature (MIL STD 810-F)	from -40°F to +185°F (-40°C to +85°C)	
Temperature cycling testing	6 hours at +250°C, 18 hours cool-down, 30 days test cycle	
Data preservation	Up to 50 years *	
Packaging Protection Class	IP69K	
Compression strength	1145 psi (7900 kPa)	
FDA class	Class I	
Read rate	400 tags per second for 96-EPC bit number	
RoHs Compliance	YES	
Material specifications	Stainless steel	
Attachment	Welding, cable tie, rivet hole \varnothing 0.19 in (\varnothing 5 mm)	
Physical Characteristics		
Dimensions: 48 x 28 x 13.5 (+/- 0.5)mm / 1.89 x 1.10 x 0.53 (+/- 0.02)in		
<p>with mounting bracket</p>	<p>Radiation pattern</p>	<p>without mounting bracket</p>
Article no:	AGX RW AC Tag	
Typical Applications		
Healthcare & hospital	sample identification	
Autoclave cleaning	identification and back tracing	
bio/chemistry/forensic/pharmacy/environment	process control, QS & monitoring	



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Cleaning and Disinfection Process (ANSI/AAMI ST79)

Chemical sterilization for decontamination

Liquid chemical sterilants include glutaraldehyde, hydrogen peroxide, hydrogen peroxide-peracetic acid combinations, sodium hypochlorite, and peracetic acid. **Pass**

Thermal (hot water) disinfection

- Washer-sanitizers, washer-decontaminators, utensil washers, and cart washers reduce microbial contamination by means of cleaning agents, hot water, rinsing, and drying. **Pass**
- Pasteurization equipment provides cleaning and high-level disinfection at water temperatures of 65°C to 77°C (150°F to 170°F) for a contact time of at least 30 minutes. **Pass**
- Washer-disinfectors provide a cycle of cleaning, rinsing, disinfection, and drying at temperatures that are usually higher than those of washer-sanitizers. **Pass**

Thermal sterilization for decontamination

Saturated steam can be used to decontaminate devices capable of withstanding high temperatures (121°C to 135°C [250°F to 275°F]) and pressures (16 to 35 psig). Washer-sterilizers provide cleaning and rinsing followed by exposure to saturated steam at temperatures of 121°C to 135°C (250°F to 275°F). **Pass**

Ultrasonic cleaner

3 KHz for 30 min **Pass**

Dry heat sterilization

160°C for 2h, or 170°C for 1h, or 180°C for 30min **Pass**

Disinfection by light

C wave ultraviolet and wavelength range is from 200nm to 275nm **Pass**

Detergent enzyme cleaner **Pass**

Autoclave sterilization

121°C and 115Kpa for 1000 cycles **Pass**



Typical applications:

Screwed on (M3):

- Tool basket
- Trolleys
- Cabinets
- Carrying vans
- Washing machines etc.



Contact:

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