

Pico Plus-Autoclavable Version



Functional Specifications

RF air protocol	EPC Class 1 Gen 2; ISO18000-6C
Operating frequency	UHF 902-928 MHz (US); 866-868 MHz (EU)
IC type	Alien Higgs-3
Memory configuration	96-EPC bits; 512-bit user memory; 64-bit TID
Functionality	Read / write (user programmed)
Memory – expected read / write cycles	100,000 cycles at 77°F (25°C)
Data retention	Up to 50 years ¹
Warranty (limited)	1 year
Material	Ceramic
Mounting system	High performance adhesive
Color	Charcoal

Performance Characteristics

Read range on metal (2W ERP) ²	Up to 10 ft (3 m)
Polarization	Linear

Environmental and Industry Compliance

FDA class	Class I
Compression strength	Packaging dependent
IP classification	IP68
Standard compliancy	RoHS (EU Directive 2011/65/EU) , CE (EU version)
Operational temperature (MIL STD 810-F)	-40°F to +185°F (-40°C to +85°C)
Application temperature (MIL STD 810-F)	-40°F to +302°F (-40°C to +150°C)
Humidity	
Operational humidity	5%-95% non-condensing
Storage humidity	5%-95% non-condensing

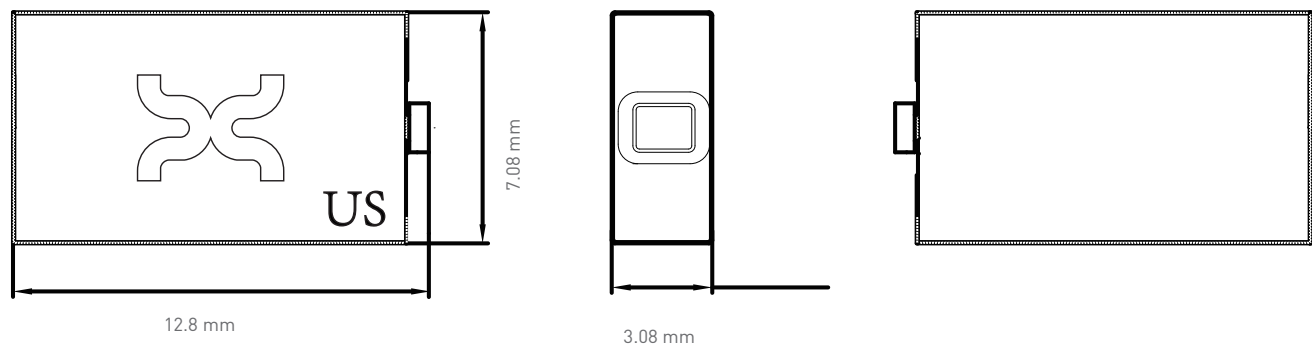
Cleaning and Disinfection Process (ANSI/AAMI ST79)

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 <ul style="list-style-type: none"> Washer-sanitizers, washer-decontaminators, utensil washers, and cart washers reduce microbial contamination by means of cleaning agents, hot water, rinsing, and drying. 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. 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 3KHz for 30 min	Pass
Disinfection by light C wave ultraviolet and wavelength range is from 200nm to 275nm	Pass
Detergent enzyme cleaner	Pass
Autoclave sterilization 134 °C and 0.6 Mpa for more than 1000 cycles	Pass

Application and Installation

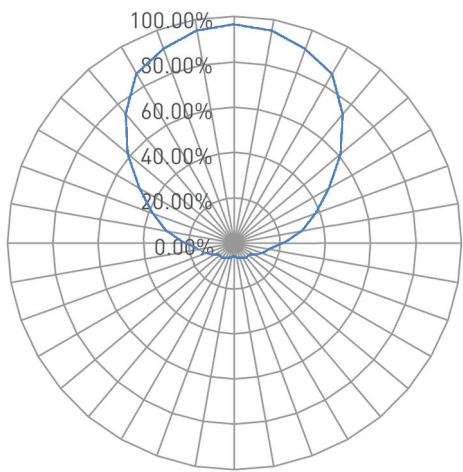
Application	Surgical devices, plastic handle
Applicable surface	Metal, plastic
Mounting methods	Glue, injection mould
Glue	FDA approved, autoclavable

Product Dimensions



Dimensions/tolerance (mm)	12.8 (+/-0.3) x 7.08 (+/-0.3) x 3.08 (+/-0.2)
Dimensions/tolerance (in)	0.50 (+/-0.011) x 0.28 (+/-0.011) x 0.12 (+/-0.008)
Weight	0.05 oz (1.4 g)

Radiation Pattern and Polarization



Order information

X3110-US040-H3	Pico Plus US Autoclavable Version
X3110-EU040-H3	Pico Plus EU Autoclavable Version