

The next generation of RFID is here – GammaTag RFID tags from Verigenics. They're the first radio frequency identification tags that handle gamma radiation with no loss of data.

GammaTag provides reliable electronic data storage of single-use medical devices, bioprocess components and other parts from inception to disposal. GammaTag is available exclusively from Verigenics, a division of NewAge® Industries.



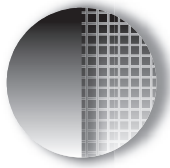
## KEY FEATURES

- Uses read/write RFID technology to identify critical process components in medical device, pharmaceutical, bioprocess/biomedical, food, and beverage industries
- Record and access the current status of process components on the spot, or use simply for identification (part number, lot number, gamma sterilization date, etc.)
- All critical packaging and labeling documentation resides on the component throughout its useful life
- Attaches to single use medical devices, sample and production bags, tanks, filters, manifolds, tubing and hose, storage containers, single-use systems, boxes or pallets undergoing gamma radiation sterilization, and dosimeters
- Allows gamma radiation sterilization of a complete single use system for the cleanest possible products
- Also withstands CIP sterilization processes
- GammaTag's read/write ability makes it unique – data may be written directly on the tag, unlike read-only bar code labels
- Provides reliable identification without the potential hazards of leachables found in label adhesives and permanent markers
- Will not fall off during cold storage like labels can
- Unlike bar code labels, GammaTag does not require a clear sight line for reading or writing
- Electronically links to notes, cleaning schedules, files, certifications, photos and illustrations, installation instructions, warning notices, disposal procedures, and other instructions
- Eliminates the burden and bulk of paper records and log books
- RoHS compliant
- Patent pending
- Field testing recommended for each application

IDENTIFICATION

[www.verigenics.com](http://www.verigenics.com)  
[www.gammatag.com](http://www.gammatag.com)



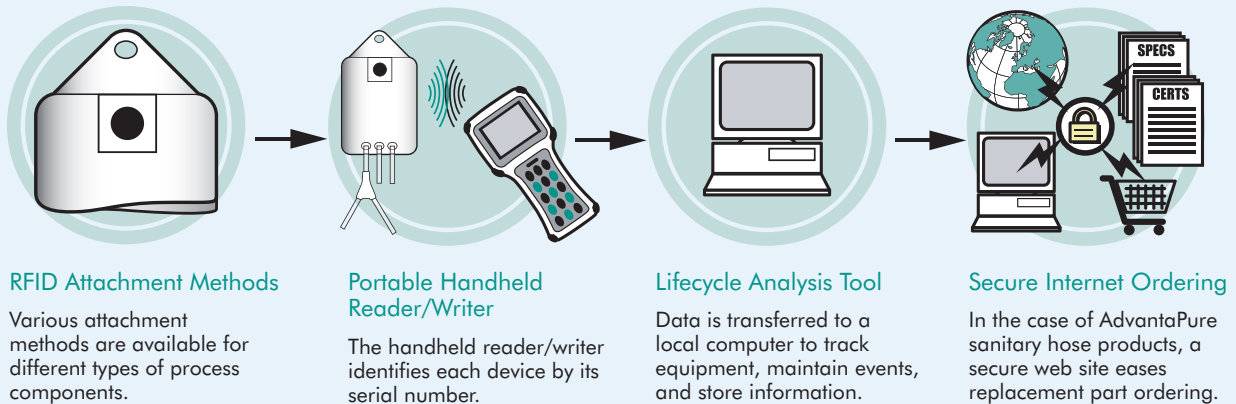


## SPECIFICATIONS

Dimensions:	22mm in diameter; 2mm thick
Read/Write Range:	up to 50mm
Power Type:	passive; energized by RFID reader/writer
Gamma Radiation:	up to 45 kGy
Chipset:	Fujitsu MB89R118
Memory Capacity:	2048 bytes
User Memory Area:	2000 bytes
Operating Frequency:	13.56MHz ± 7kHz
Modulation Type:	10%ASK
Operating Temperature:	-20°C to 85°C
Storage Temperature:	-40°C to 85°C
Data Retention Period:	10 years at 55°C
Data Endurance:	10 <sup>10</sup> cycles
Read Speed:	1525 ms (2048 bytes)
Write Speed:	1413 ms (2000 bytes)
Other:	8 bytes/block configuration ISO/IEC 15693 commands full support Reading up to 256 blocks using custom commands

## P-E-T Process Equipment Tracking®

### PROCESS EQUIPMENT IDENTIFICATION & LIFECYCLE ANALYSIS SYSTEM



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**AdvantaPURE®** RFID products are now:



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for Your Benefit

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