

# COMBO E.TAG®

## RADIO FREQUENCY IDENTIFICATION (RFID) AND VISUAL PANEL COMBINATION TAGS

### DESCRIPTION

Combo e.Tags® are an RFID button affixed to a tamper-evident visual identification panel tag. For programs that demand a unique electronic identification number as well as a matched visual tag, Combo e.Tags provide a simple solution.

### PRODUCT FEATURES

- Full duplex (FDX-B)
- ISO-compliant (134.2 kHz)
- USDA, CCIA and ICAR approved
- Optimal RFID read range
- Superior cold weather application
- Extra large visual panel
- Tamper evident design
- Made in the United States

### ADVANTAGES

- Each e.Tag contains a passive, full duplex (FDX-B) radio frequency identification (RFID) transponder encoded with a 15-digit identification number that can be read in milliseconds, even in “noisy” environments with high amounts of metal and electrical interference. The corresponding panel tags facilitate the daily management of livestock while the e.Tags provide source and age verification data.
- Innovative combination design gives producers the ability to use both electronic and visual identification systems while applying only one tag.
- e.Tag read range is up to 4 feet (1.2 m) depending on system used and at optimal tag orientation. e.Tags can be read by all ISO-compliant readers.
- e.Tags are designed to be easily applied and perform reliably in harsh conditions, including temperature ranges of -13° to 122° F (-25° to 50° C).
- Approved for use by the:
  - USDA for use in the Animal Identification Number (AIN) program
  - Canadian Cattle Identification Agency (CCIA)
  - International Committee for Animal Recording (ICAR)
- Manufactured in an ISO 9002-approved facility, the air coil and electronic components are molded and permanently sealed into a durable, high-grade polyurethane using an exclusive, patented process.
- Studs include a self-piercing component specifically angled to provide small, clean incisions. They are also treated with Infecta+Guard® to reduce the risk of infection and disease transfer, and to facilitate proper healing.
- Combo e.Tags are lightweight, available in a variety of colors and can be printed with numbers and optional graphics by laser, ink-jet or hot-stamp systems.
- Rugged panel tags are the toughest in the industry. Tensile strength studies prove just one of the many ways each tag is engineered to provide superior retention. (See Figure 1)



**Figure 1. Tensile strength comparison of branded livestock studs: Amount of force required to break studs**

Tag Brand	New, unused	Soaked in manure for 30 days	Soaked in ammonia for 30 days
Destron Fearing™	98 lbs	92 lbs	88 lbs
Allflex®	81 lbs	67 lbs	56 lbs
Y-Tex®	85 lbs	68 lbs	Not tested

## PRODUCT SPECIFICATIONS

SIZE	DIMENSIONS	WEIGHT
<b>Extra Large</b> <small>NOTE: Available in tamper evident design only.</small>	4 5/8" L x 3" W (11.7 cm x 7.6 cm)	0.68 oz (19.2 g)
<b>COLORS</b>		
<b>Panel</b> <b>e.Tag</b>	<span style="color: orange;">■</span> Orange <span style="color: yellow;">■</span> Yellow <span style="color: white;">□</span> White <span style="color: purple;">■</span> Purple <span style="color: red;">■</span> Red <span style="color: blue;">■</span> Blue <span style="color: green;">■</span> Green <span style="color: pink;">■</span> Pink <span style="color: yellow;">■</span> Yellow	
<b>CONSTRUCTION</b>	High-grade polyurethane	
<b>READ RANGE</b>	Up to 4 feet (1.2 m) at optimal tag orientation depending on system used	
<b>APPLICATION TEMPERATURE RANGE</b>	-13° to 122° F (-25° to 50° C)	
<b>APPROVALS</b>	ISO 11784, ISO 11785, USDA, CCIA, ICAR	
<b>POWER</b>	Passive; able to be read by all ISO-compliant readers	
<b>INFECTA + GUARD</b>	Active ingredients are 1,1 Hexamethylenbis [5-(4-Chlorophenyl) Biguanide] Digluconate up to 0.99%. Inert ingredients are equivalent to 99.1%.	

## ACCESSORIES

ITEM	PRODUCT NUMBER	ITEM	PRODUCT NUMBER
Pro-Grip™ Universal Applicator	909	Head Gate Antenna Set (one right; one left)	AN4714R/L
Pro-Grip Universal Applicator Pins (6)	915	Head Gate Antenna (single; straight)	AN4711
DTR™-1 Reader	DTR1-4-K1	Axiz SB-1™ Stationary Reader w/ AC Power Supply	AXIZSB-1-00
DTR-3E Reader	DTR3E-K1	Axiz SB-1 Stationary Reader w/ DC Power Supply	AXIZSB-1-05
Panel Antenna - Large	AN4250		
Panel Antenna - Small	AN4110		

## WARNING

Infecta+Guard is self-activating upon application of the stud. Store in a cool, dry place. Do not allow stud to be exposed to moisture prior to application.

## WARRANTY

Combo e.Tags are warranted for one year from the date of purchase against defects in materials and workmanship when used as directed.

## PACKAGING SPECIFICATIONS

Item	Product Number	Quantity per Package	Package Dimensions	Package Weight	# Packages Per Carton	Carton Dimensions	Carton Weight
Combo e.Tag	TX412222	25	8" L x 8" W x 2" D (20.3 cm x 5.1 cm)	1.1 lbs (0.5 kg)	20	14" L x 10" W x 10" D (35.6 cm x 25.4 cm x 25.4 cm)	24 lbs (10.9 kg)

