

# IDT RFID BOLUS

## RFID Animal Identification Tags



IDT Bolus tag is suitable for the identification of cattle, sheep, goat, deer, etc. It is used in identification of livestock, health record keeping, insurance and slaughter houses. They provide adequate reading range to detect livestock from a considerable distance. Printing and encoding of these tags are also available for easy implementation. It meets ISO 11784/11785 FDX-B and HDX animal ID standards. Bolus tag is recommended for safe, permanent and tamper proof method of electronic identification. It is placed in the rumen of the animal via esophagus by a special applicator.

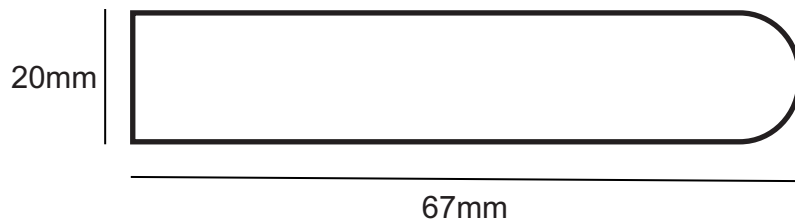
### PHYSICAL PARAMETERS

<b>Dimensions</b>	20mm $\pm$ 0.3mmX67mm $\pm$ 1mm (Cattle)
<b>Weight</b>	72.5gm $\pm$ 1gm
<b>Encasement/Material</b>	Bio-Compatible Ceramic
<b>Packaging</b>	Premium Plastic Packing

### RF SPECIFICATIONS

<b>Protocol</b>	ISO 11784, ISO 11785 (FDX-B) (HDX)	
<b>Operating Frequency</b>	134.2 kHz	
<b>Read Range Fixed Reader</b>	Up to 15 cm (Reader Dependent)	
<b>Read Range Handheld Reader</b>	Up to 10 cm (Reader Dependent)	
<b>IC Type</b>	Em4305	Hitags256
<b>UID Memory</b>	32 Bit	32 Bit
<b>User Memory</b>	512 Bit	256 Bit
<b>Lock Feature</b>	Converts EEPROM To Read Only	
<b>Data Retention</b>	10 Years Non Volatile Data Retention	
<b>Read Write Cycle</b>	Upto 1,00,000	

## RFID ANIMAL TAG DIMENSION



## ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-5°C to +85°C
<b>Storage Temperature</b>	-5°C to +85°C
<b>IP Rating</b>	IP 68
<b>Chemical Resistance</b>	Alcohol, ammonium chloride 25%, fuel B, HCL 10%, salt water
<b>Shock &amp; Vibration</b>	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times] IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
<b>Tagging Method</b>	Implanted into Rumen Using Applicator

## PERSONALISATION

<b>User Laser Marking</b>	Text, Numbers, Barcode, Etc.
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## ORDER INFORMATION

<b>Part No.</b>	IDT.RFT.LS.BLS.2067
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## APPLICATION AREA



Semen  
Collection



Health Record  
Keeping



Insurance



Slaughter  
House



Livestock  
Identification



**ID TECH SOLUTIONS PVT. LTD.**

610, Udyog Vihar Phase-5, Gurgaon, Haryana - 122016, INDIA | T. : +91-124 - 4255530 (6 Lines)

E.: [info@idsolutionsindia.com](mailto:info@idsolutionsindia.com) | W: [www.idsolutionsindia.com](http://www.idsolutionsindia.com)

The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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