IDT RFID EAR CIRCULAR TAG

RFID Animal Identification Tags

Animal tags are passive tags operated for identification of livestock, health record keeping, insurance daivies 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 is made with special ether grade TPU material and is over moulded making it more robust and durable in outdoor environment. These tags are fully compliant to ISO11784/11785 animal ID standard.
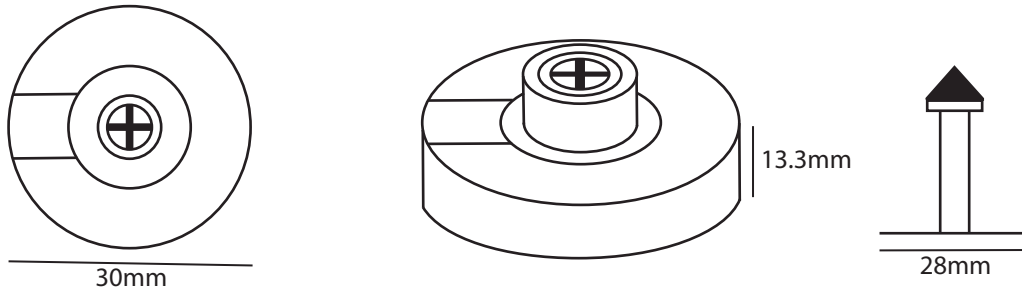
PHYSICAL PARAMETERS

Dimensions	F (30mm Dia x 13.3mm) M (28mm Dia)
Weight	9.27gm ± 2
Encasement/Material	Polyurethane (TPU)
Packaging	100 Pcs Male In Polybag | 100 Pcs Female In Polybag

RF SPECIFICATIONS

Protocol	ISO 11784, ISO 11785 (FDX-B) (HDX)	
Operating Frequency	134.2 kHz	
Read Range Fixed Reader	Up to 30 cm (Reader Dependent)	
Read Range Handheld Reader	Up to 10 cm (Reader Dependent)	
IC Type	Em4305	Hitags256
UID Memory	32 Bit	32 Bit
User Memory	512 Bit	256bit
Lock Feature	Converts EEPROM To Read Only	
Data Retention	10 Years Non Volatile Data Retention	
Read Write Cycle	Upto 1,00,000	

RFID ANIMAL TAG DIMENSION

13.3mm

30mm

28mm

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	$-40^{o}C$ to $+85^{o}C$
Storage Temperature	$-40^{o}C$ to $+100^{o}C$
IP Rating	IP 68
Chemical Resistance	Alcohol, ammonium chloride 25%, fuel B, HCL 10%, salt water
Shock & Vibration	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]
Tagging Method	Sterilized Metal Pin By Applicator

PERSONALISATION

Pre-encoding	Text, Numbers, Barcode, Etc.

ORDER INFORMATION

Part No.	IDT.RFT.LS.LF.CET.30

APPLICATION AREA

Semen Collection   Health Record Keeping   Insurance   Slaughter House   Livestock Identification

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