PRODUCT COMPARISON CHART

Animal Identification

Product Name	Glass Tag Ultra	Glass Tags								E-Unit Rod	E-Unit Disc
Application	Glass tube with up to 35% better read range than standard tube of same size	Small size with high chemical resistance provides an ideal solution for injection and long term immersion								Embeddable RFID tags - ideal as customizable implants. Please contact HID sales for details.	
Size	Ø2x9 mm³, Ø2x12.5 mm³	1.4x8 mm³	1.4x10 mm³	Ø2x12 mm³	Ø2x12 mm	Ø3x15 mm	Ø3.85x22.5 mm, Ø3.85x32 mm	Ø4x22 mm	Ø4x34 mm	Ø1x7 mm	Ø 20, 24, 27, 28 mm or custom
Frequency	134.2 kHz				125 kHz	134.2 kHz				134.2 kHz	
Standards / Protocol Support	ISO 11784, ISO 11785				N/A	ISO 11784, ISO 11785				ISO 11784, ISO 11785	
Chip Type	EM4305	Hitag S, EM4305			Unique	Hitag S	HDX	Hitag S, EM4305		EM4305	Hitag S, EM4305
Memory[1]	512 bit RW	256 bit RW, 512 bit RW, 2048 bit RW			64 bit RO	256 bit RW	128 bit OTP	256 bit RW, 512 bit RW		512 bit RW	256 bit RW, 512 bit RW
Tagging Method	Subcutaneous				External housing e.g. pigeon ring	Subcutaneous, primarily horses	External housing		External housing e.g. ceramic bolus (stomach)	Ear tag or customized implant	Ear tag
Operating Temperature[2]	-25 °C to +85 °C									-25 °C to + 60 °C	
Storage Temperature[2]	-40 °C to +90 °C									-40 °C to + 60 °C	
Peak Temperature[2]	+120 °C (100h) +140 °C (10h)					+120 °C (100h)	+120 °C (100h) +140 °C (10h)			N/A	
Housing Material	BIO Glass									N/A	
Chemical and Environmental Resistances[2]	Water, IP68 (1m, 24h), saltwater, alcohol, HCL, fuel, ammonia									Depends on finished product	
Mechanical Resistances[2]	Vibration IEC 68.2.6, shock IEC 68.2.29									N/A	
Parylene Coating Available (better tissue adhaesion)	Yes				No	Yes	No			N/A	
Warranty[4]	2 years									2 years	

1 For further specification details, please see datasheets of the respective products.
2 Hitag S (256 bit RW), EM4305 (512 bit RW)
3 Optionally available with on-demand custom programming, see http://www.hidglobal.com/main/services/on-demand/pet-programming/

4 Warranty: Storage condition must not exceed specification for temperature, chemical, mechanical, electrical condition, storage from -25°C to + 50°C, humidity 20% to 80%

For unpackaged tags: Warranty would depend on finished product and can only be given as long as raw product is not processed / packaged

Finding what you need

HID Global has many more products to offer than fit on this page. Please refer to **hidglobal.com** or contact an HID representative for further assistance in evaluating these tags or selecting a solution that best fits your particular requirements.

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