

HQ 9

High Performance
Passive Integrated
Transponder

Specification Sheet



SPECIFICATIONS	DESCRIPTION
BASE MODEL NUMBER	HQ9.AA.01
ELECTRONICS	
OPERATING FREQUENCY	134.2kHz
CHIP TYPE	EM4305
MEMORY	512 bit EEPROM
READING DISTANCE	At Least 35% greater than standard 9mm tag
PHYSICAL	
DIMENSIONS	2.1 x 9mm
TAGGING METHOD	Subcutaneous
HOUSING MATERIAL	Bioglass – Laser Sealed – Strongest Glass in the Industry – Review Shock Test
CHEMICAL AND MECHANICAL	
WATER	IP68, 68° F (20° C), 3.3 ft (1 m) x 24 h
WITH STAND EXPOSURE TO	Alcohol, ammonium chloride 25%, fuel B, HCL 10%, salt water
ENVIRONMENTAL TEST CONDITIONS	68° F (20° C), 100 h
VIBRATION	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
SHOCK	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]
THERMAL	
STORAGE	-40° to +194° F (-40° to +90° C), 1000 h
OPERATING	-13° to +185° F (-25° to +85° C)
PEAK	248° F (120° C), 100 h; 284° F (140° C), 10 h
ISO STANDARD & WARRANTY	
STANDARDS	ISO 11784, ISO 11785 (FDX-B)
ICAR	900 Per ICAR Assignment for Voda IQ
MANUFACTURE	Voda IQ
WARRANTY	2 years



www.vodaiq.com

Email: info@vodaiq.com

Phone (USA): 1-208-366-9663

All Rights Reserved