

Sense Passive Range – Sensing Tags and Labels



Featured Comparison Guide



Global

Product Name	IQ 175	IQ 200P	IQ 430	IQ 550P	Fit 500	
Typical Applications	IT, office, hospital and laboratory asset tracking, logistics involving metallic packaging Intermodal logistics, predictive maintenance, IT data centers	IT, office, hospital and laboratory asset tracking, logistics involving metallic packaging Intermodal logistics, predictive maintenance, IT data centers	IT, office, hospital and laboratory asset tracking, logistics involving metallic packaging Intermodal logistics, predictive maintenance, IT data centers	IT, office, hospital and laboratory asset tracking, logistics involving metallic packaging Intermodal logistics, predictive maintenance, IT data centers	Equipment monitoring in-house or in-transit, data centers & IT assets (tracking & temperature monitoring), monitoring mechanical plants, predictive maintenance.	
RF Specifications	Frequency Range (MHz)	866 – 868 MHz (EU) 902 – 928 MHz (US)	866 – 868 MHz (EU) 902 – 928 MHz (US)	866 – 868 MHz (EU) 902 – 928 MHz (US)	866 – 868 MHz (EU) 902 – 928 MHz (US)	
	Read Range (m) Fixed reader Handheld reader	Up to 1.5 Up to 0.7	Up to 2.2 Up to 1.3	Up to 4.3 Up to 2.3	Up to 5.8 Up to 2.5	Up to 5.0 Up to 2.0
	Material Compatibility	Optimized for metal	Optimized for off metal	Optimized for metal	Optimized for off metal	Optimized for metal
	IC Type	Axzon Magnus M3D	Axzon Magnus M3D	Axzon Magnus M3D	Axzon Magnus M3D	Axzon Magnus M3D
Physical and Environmental Specifications	Encasement²	White synthetic label	White synthetic label	White synthetic label	White synthetic label	Ceramic (painted black)
	Size (mm)	50 x 12 x 1.39	41 x 0.26	108 x 24 x 1.28 (US)	104 x 24 x 0.29	13.5 x 9 (101 including IC bump) x 4.3
	Weight (g)	0.46	0.33	1.66	0.65	2.76
	Temperate sensor accuracy (°C)	±0.5 at 30 to 60	±0.5 at 30 to 60	±0.5 at 30 to 60	±0.5 at 30 to 60	±0.5 at 30 to 60
	Sensor code with moisture change*	0-500	0-500	0-500	0-500	0-500
	Operating Temperature (°C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +125
	Maximum Operating Temperature (°C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +200
	Ingress Protection	IP68	IP68	IP68	IP68	IP68
Attachment	Self-adhesive and suitable for curved surfaces to a minimum radius of 58mm	Self-adhesive and suitable for curved surfaces to a minimum radius of 58mm	Self-adhesive and suitable for curved surfaces to a minimum radius of 58mm	Self-adhesive and suitable for curved surfaces to a minimum radius of 58mm	Film adhesive (included)	
Order Codes*	CP15470 (EU) CP15469 (US)	CP15457 (EU) CP15456 (US)	CP15542 (EU) CP15545 (US)	CP15528	CP14730 (EU) CP14731 (US)	

¹ Order Option Codes are listed on the datasheets. 1 Prolonged exposure to temperatures over 70°C may result in minor dimensional change to the case, attachment by rivets instead of adhesive is recommended. 2 See datasheet for Transparent option

* Sensor code will depend upon application and material of the asset/container in use. Refer to product guide for details.

Visit www.omni-id.com to learn more about the complete line of Omni-ID RFID products.

Values for Comparison only, please refer to Product Datasheets for full specifications

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