

## Omni-ID® IQ 350

Omni-ID's IQ 350 labels provide on metal tag functionality, within a small, low profile, easy to deploy label. With the smallest size to performance ratio in the market, the IQ 350 also boasts a wide read range performance making this an ideal choice for portal applications. Optimized for thermal barcode printers, the IQ 350 enables low cost, hassle-free RFID deployment.

## Applications

With a thin profile and label presentation, Omni-ID's IQ 350 labels are ideal for on-metal applications such as:

- ▶ IT, office, hospital and laboratory asset tracking
- ▶ Logistics involving metallic packaging
- ▶ Intermodal logistics

## Physical Specifications

Material	Synthetic label
Size (mm) <sup>1</sup>	50.0 x 12.5 x 1.35
Size (in) <sup>1</sup>	1.97 x 0.49 x 0.05
Weight (g)	0.50

<sup>1</sup>Product dimensions shown above are the maximum. Batch to batch variation could be within 5%. Unspliced sections will be within 0.2mm tolerance.



Dimensions stated in mm  
Supply format = 1000 labels per roll

## RF Specifications

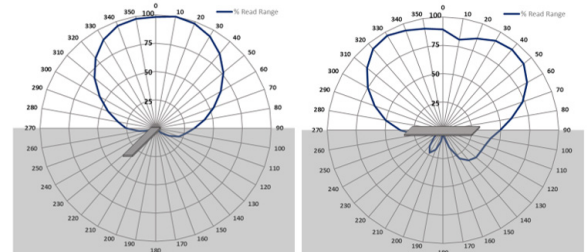
Protocol	EPC Class 1 Gen2v2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Read Range (m) (Fixed reader) <sup>1</sup>	Up to 3.5
Read Range (m) (Handheld reader) <sup>1</sup>	Up to 2.0
Material Compatibility	Optimized for metal
IC Type	Monza R6-P
Memory <sup>2</sup>	EPC: 128(96)bits User: 32(64)bits UTID: 48bits

<sup>1</sup>Quoted performance achieved using standard testing methodology on Aluminium test plates. Read range is dependent on multiple factors such as; RFID reader transmit power and receiver sensitivity, asset material and environment. Please see the Omni-ID On Metal Labels User Guide for more detail.

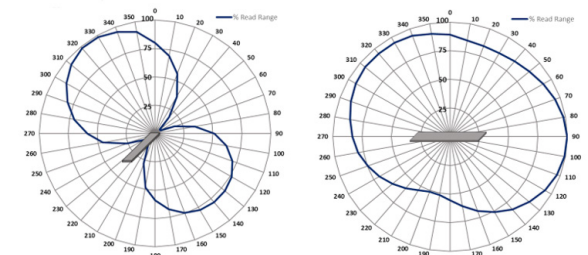
<sup>2</sup> EPC and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

## Radiation Patterns

### On Metal



### Off Metal



## Related Products and Services

- ▶ **Omni-ID IQ 150** – A very small ultrathin label, easy to deploy and optimized for thermal barcode printers.
- ▶ **Omni-ID IQ 600** – Ultrathin balanced label providing on metal tag functionality, low cost and hassle free deployment.
- ▶ **Omni-ID IQ 800P** - Large premium label for plastic assets
- ▶ **Service Bureau** – Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



## Environmental Specifications

Operation Temperature <sup>1</sup> -40 to +85°C

Max Temperature Exposure <sup>1</sup> -40 to +85°C

Application Temperature<sup>1</sup> +18 to +35°C

IP Rating IP68

Attachment Self-adhesive suitable for curved surfaces to a minimum radius of 58mm

Certifications



RoHS approved  
CE approved

Printer compatibility<sup>2,3</sup> SATO, Zebra

Warranty 1 year

<sup>1</sup> Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

<sup>2</sup> Omni-ID labels are compatible with many leading printers. Contact us for more detail.

<sup>3</sup> See Omni-ID printer guides for details on calibrating and operation.

## Ordering Information

Order Numbers 158 – US, EU

Order Options: :303 Customization - 4 color static print  
:315 Overlamination  
:701 (Standard Service Bureau)

Supply Format 900 labels per roll

Minimum Order Quantity  
Standard label 1,000 labels  
Service bureau 1,000 labels  
Customization 10,000 labels  
Overlamination 10,000 labels



Omni-ID office locations: US | UK | China | India | Germany

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