

Omni-ID® IQ 150

The IQ 150 Ultrathin labels are designed for on metal tag functionality, within a small, low profile, easy to deploy label. Optimized for thermal barcode printers, the Omni-ID IQ 150 enables low cost and hassle-free RFID deployment. The Ultrathin labels redefine the standard for repeatability for on and off metal tagging applications demanding a very small low profile tag.

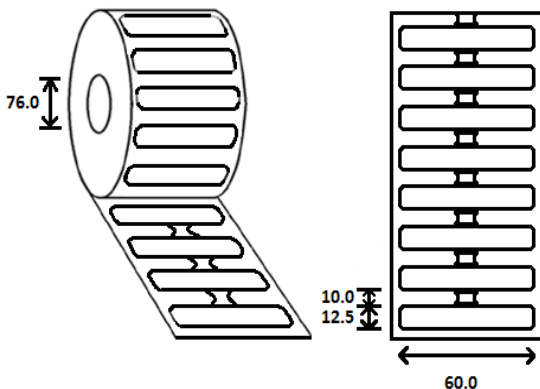
Building Intelligent Supply Chains

With innovative construction and excellent thermal barcode printer compatibility, the Omni-ID IQ 150 label is ideal for hassle free deployment of indoor asset management applications such as:

- ▶ IT, office, hospital and laboratory asset tracking
- ▶ Weapons, pipes, and road signs
- ▶ Warehouse management

Physical Specifications

Encasement	White Synthetic Label
Size (mm) (tolerance)	60.0 x 12.5 x 0.9 (+/- 0.5)
Size (in) (tolerance)	2.36 x 0.5 x 0.035 (+/-0.02)
Weight (g)	.25



Dimensions stated in mm
Supply format = 500 labels per roll

RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	866-868 (EU), 902-928 (US)
Material Compatibility	Optimized for metal & liquids

IC Types

Read Range	Impinj Monza R6 (standard)	Impinj Monza 4QT (option) due Nov 2015
Fixed Reader	Up to 1.5m	Up to 1m
Handheld Reader	Up to 0.75m	Up to 0.5m
Memory ^{2,3}	EPC - 96 bits User - 0 bits	EPC - 96 bits User - 512 bits

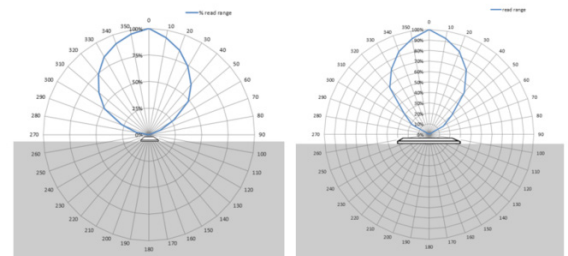
¹Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.

²EPC and User memory are reprogrammable, TID is locked at point of manufacture.

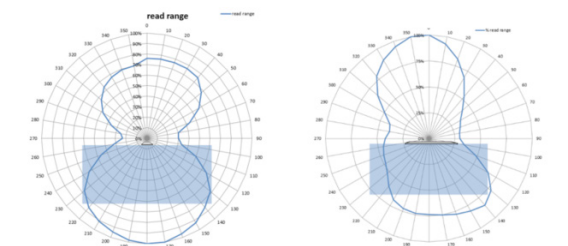
³Monza R6 cannot be permalocked using current commercially available hardware & software.

Radiation Patterns

On Metal



On Liquid



Related Products and Services

- ▶ **Omni-ID Prox NG** – Market leading, small form factor tag for mixed plastic and metal IT asset environments in global enterprises.
- ▶ **Omni-ID IQ 600** – Ultrathin label providing on metal tag functionality supplied as a roll with hassle free printing.
- ▶ **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 ¹	-20 to +85°C
Max Temperature Exposure ¹	-20 to +85°C
IP Rating	IP68
Attachment	Self-adhesive suitable for curved surfaces to a minimum radius of 58mm
Certifications	RoHS approved CE approved
Printer Validations	Sato and Zebra
Warranty	1 year

1. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.



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Ordering Information

Order Numbers	125 – EU, US with Monza R6 132 – EU, US with Monza 4QT (due Nov 2015)
Options:	:701 (Standard Service Bureau) :702 (Custom Service Bureau)
Supply Format	1000 labels per roll



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