

Omni-ID® Power 400

The Omni-ID Power 400 is a rugged active tag capable of tremendous performance while tracking assets in harsh environments. Over-molded for maximum durability and providing flexible mounting options, the Power 400 includes enough battery capacity for at least 5 years of duty in almost all applications. Radio communications penetrate snow/moisture and provide exceptional distance.



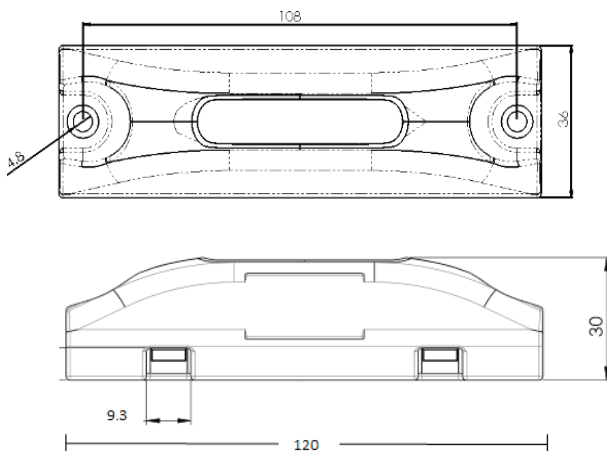
Building Intelligent Supply Chains

Omni-ID Power 400 is perfect for applications requiring long range asset tracking, particularly in harsh environments:

- ▶ Manufacturing: Mobile carts, containers and trolleys
- ▶ Logistics: Lay down yards, vehicles and docks
- ▶ Construction: Staging and materials tagging

Physical Specifications

Size (mm)	120 × 36 × 30
Size (in)	4.72 × 1.42 × 1.18
Weight (g)	92



Dimensions stated in mm

Dual Radio	Active	Passive
Power*	5 yrs or 52 mil transmits under normal use	Not required
Frequency Range	433 MHz	860 – 930 MHz
Read Range**	up to 400m	3 - 6m
Memory	n/a	1kbit
RFID	Proprietary	EPC Gen2 passive tag wakeup and data bridge (Monza® X-2K)

* Outdoor installation typical power settings shown.

** Read distance can vary based on site characteristics, base station antenna type, height distance and tag configuration.

Environmental Specifications

Operating Temperature	-40°C to +60°C
IP Rating	IP68 Nema PW12 (high pressure liquids immersion)
Shock and Vibration	IK07 4' drop to concrete MIL-STD-810F
Attachment	Screw attachment with two #8 screws 5mm (0.2") Cable tie slots each end
Colors and Labeling	Gray with custom color options Can be source encoded and labeled
Warranty	1 year

Powerful Features:

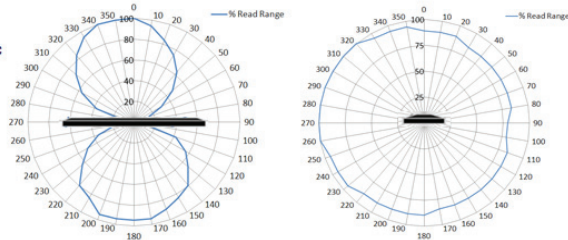
- ▶ **Long Battery Life** — Battery lasts at least 5 years under typical use cases
- ▶ **Integrated Passive Tag** — Track, trigger and commission with standard readers
- ▶ **Exceptional Toughness** — Fully sealed and over molded for the most rugged use.
- ▶ **High Gain Internal Antenna** — Exceptional range and performance in snow, ice or mud.



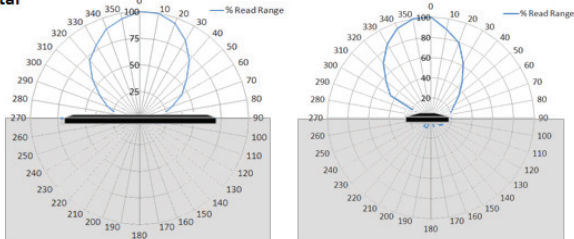
Radiation Pattern

Passive

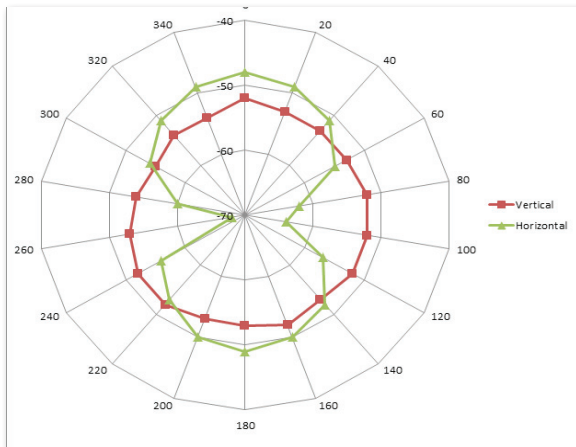
On Plastic



Large Metal Sheet



Active off-Metal



Ordering Information

Order Numbers: OMNI P400
:317 (IECEx Certification)
:701 (Standard Service Bureau)

Certifications EN55022 Class A, EN50082-2
CSA, RoHS, IECEx
FCC Class A digital device according to FCC Part 15 and ICES-003

Shipped in minimum boxes of 128



IECEx Laser Marking on the side of the tag



Omni-ID office locations: US | UK | China | India | Southeast Asia
For product or technology inquiries email: sales@omni-id.com