

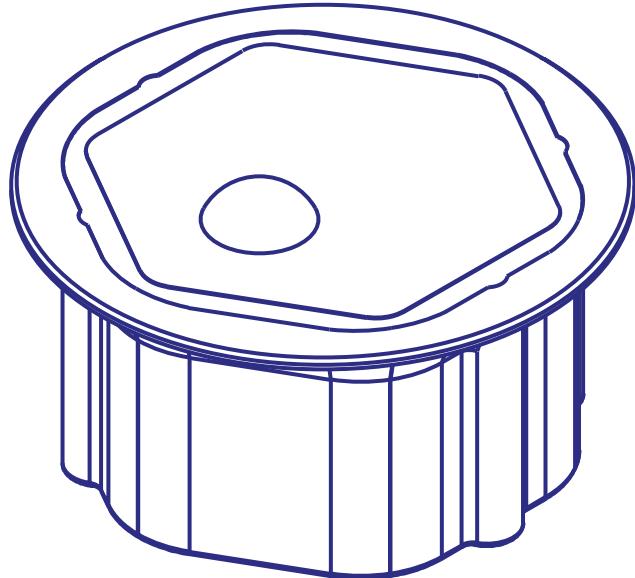
# IoT Parking Sensor Standard In-ground 2.0

Detects and reports the presence or absence of a vehicle on a parking slot and enables parking management.



**99,96% accuracy**

Best Accuracy



## Key differentiators



### Electronic permitting

IoT Parking Sensors can be paired with IoT Permit Cards to provide an ID of each parker (authentication).



### Data consistency

IoT infrastructure resistant to network outages – metrics are preserved after reconnection (no data loss).



### Monitoring & control

Precise monitoring (with AI) of deployed devices, notifications, and seamless remote OTA control (logs, FW updates).



### Detection resistance

Detection is accurate and reliable despite local interferences or frequent changes (noticing every status change).

## Technical specs & features

### Combined two-way sensing

Magnetometric and nanoradar with enhanced detection reliability – up to 99 %.

### Autocalibration

Based on a robust algorithm for the magnetometer.

### Own antenna design

Optimized for IoT network LoRa.

### Data consistency

Resistance to connectivity outage. Data is not lost but is being transmitted after connectivity recovery.

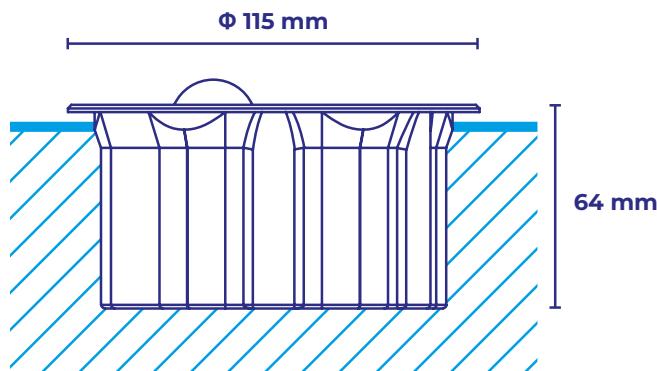


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## Specification

Parameter	Value
Detection method	<b>3-axis magnetic field &amp; nanoradar</b>
Weight	<b>390 g</b>
Dimensions	<b>Φ 115 mm, ± 64 mm</b>
Casing	<b>Ultrasonically welded into one piece</b>
Ingress protection	<b>IP68</b>
Impact resistance	<b>IK10</b>
Operating temperature	<b>-40 to +85 °C</b>
Power	<b>3.6 V, 13 – 19 Ah</b>
Battery life	<b>See calculation on <a href="http://clientzone.fleximodo.com">clientzone.fleximodo.com</a></b>
Network	<b>LoRaWAN, NB-IoT, BLE</b>
Manufacturer certification	<b>ISO 9001, ISO 14001, ISO 45001</b>



## Casing, quality & installation

### Ultrasonically welded

100% hermetic sealing with IP68 ingress protection.

### Minimalistic form factor

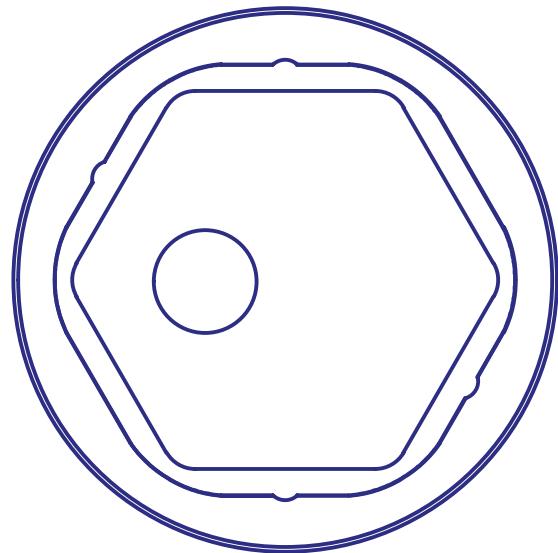
Straightforward on-surface installation requiring minimal equipment.

### AOI and RTG inspection

Electronic assembly inspected by AOI (automatic optical inspection) and RTG.

### Tested and inspected

Operational lifetime of 6 years established through thermal cycling chamber (-30 to +60 °C).



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