

## ●製品概要 / Product summary

| 種別<br>/ Type                | 型 式<br>/ Part name | 外形寸法<br>/ External dimensions (mm) | 重量<br>/ Weight | 電源<br>/ Power supply                  |
|-----------------------------|--------------------|------------------------------------|----------------|---------------------------------------|
| 駐車場センサー<br>/ Parking sensor | NDPM006            | Φ123mm H55mm                       | 460g           | 1次電池 内蔵<br>/ Built-in primary battery |

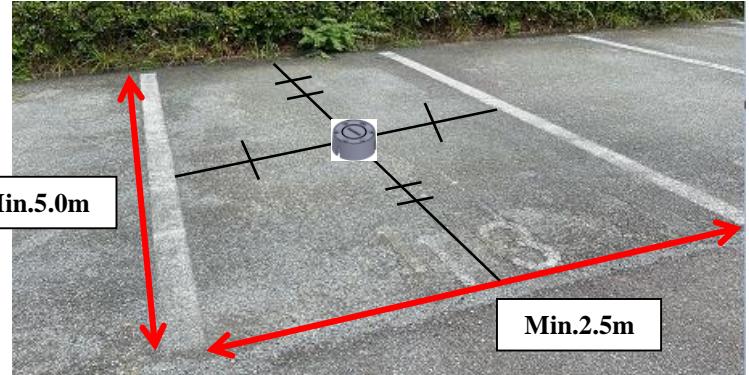
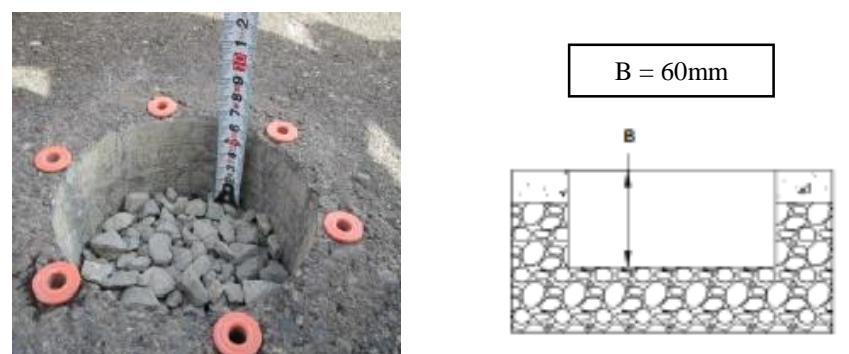
|   |   |
|---|---|
| 使用場所 / Place of use                     | アスファルトまたはコンクリート舗装された屋外及び屋内駐車場<br>/ Asphalt or concrete paved outdoor and indoor car parks   |
| 設置位置 / Set location                     | 駐車枠内中央 / In parking frame center  |
| 防水性能 / Waterproof performance           | IP67  |
| 使用温度範囲<br>/ Operating temperature limit | -40°C ~ +84°C   |
| 注意事項 / Notes                            | <p>以下の条件では正しく検知できませんのでご注意下さい<br/>         ①海水中、②積雪下、③有機溶剤がかかる可能性の環境、④センサー上部に鉄板<br/>         / Please note that it cannot be detected correctly under the following conditions<br/>         ①Seawater, ②Under snow, ③Environment where organic solvent may splash,<br/>         ④Iron plate on top of sensor</p> |

## 名称 / Material name

|  |                            |                            |  |
|--|----------------------------|----------------------------|--|
| 同梱品<br>/ Bundled items                                     | 本体<br>/ Body               | 1                          |  |
|  | クランプ<br>/ Clamp            | 3                          |  |
| お客様で<br>ご用意戴く部材<br>/ Materials prepared by<br>the customer | 乾燥砂利<br>/ Dry gravel       | 適量<br>/ Appropriate amount |  |
|  | モルタル剤<br>/ Mortar          | 適量<br>/ Appropriate amount |  |
|  | 硬化剤<br>/ Hardener          | 適量<br>/ Appropriate amount |  |
|  | ネオジウム磁石<br>/ Neogum magnet | 1                          |  |

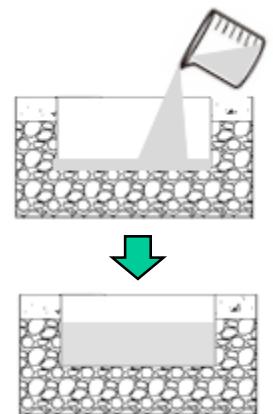
推奨型番 / Recommended model : HXN10-5 (MISUMI)

## ●取付方法 / Mounting method

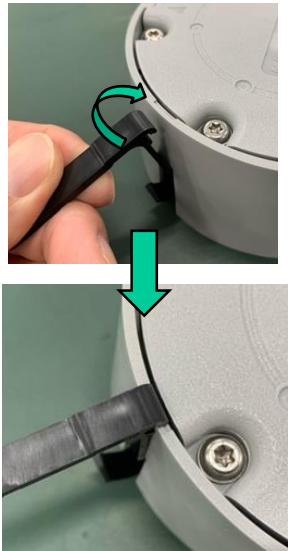
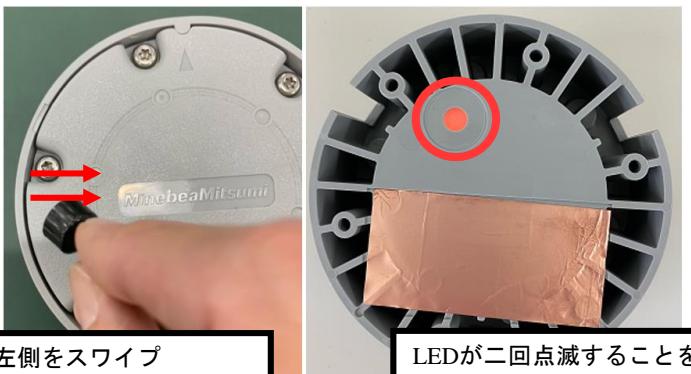
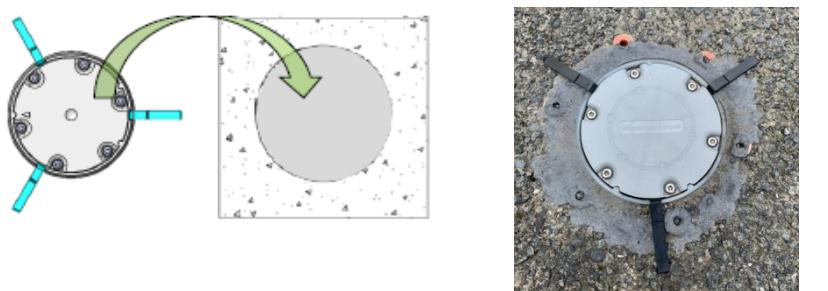
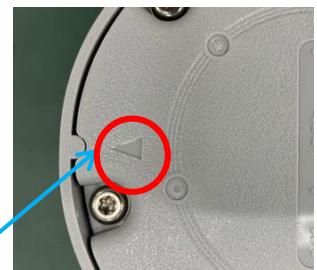
| NO | 内容 / Content   |
|----|--|
| 1  | <p>＜設置位置 / Set location＞</p> <p>駐車場センサーは駐車枠の中央に設置ください<br/>/ Please install the parking sensor in the center of the parking frame</p> <p>この時、駐車枠は2.5m x 5m以上を確保できる事、又、車道から1.25m以上にセンサーを設置する事<br/>/ The parking frame should be 2.5m x 5m or more, and the sensor should be installed 1.25m or more from the roadway</p> |
|    |    |
| 2  | <p>＜設置面 穴あけ / Set face drilling＞</p> <p>設置場所にコアカッターでΦ130mmの穴をあける<br/>/ Make a hole of Φ130mm with a core cutter at the installation location</p>   |
|    |   |
| 3  | <p>＜設置穴 乾燥 / Installation hole drying＞</p> <p>設置穴の側面をバーナー等で乾燥させる<br/>/ Dry the side of the installation hole with a burner etc</p>   |
|    |    |
| 4  | <p>＜設置穴 砂利入れ / Installation hole gravel holder＞</p> <p>設置穴に路面表面から60mmの深さまで砂利を敷き詰め、路面から深さが6cmになるよう調整する<br/>/ Spread gravel in the installation hole to a depth of 60 mm from the road surface, and adjust so that the depth is 6 cm from the road surface</p>   |
|    |    |

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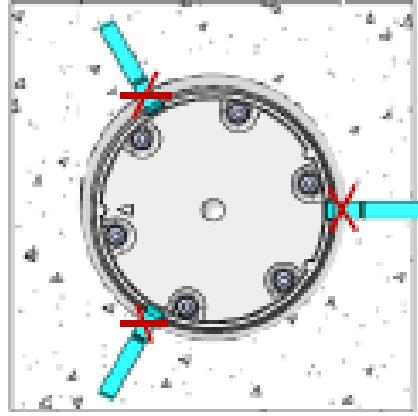
| NO | 内容 / Content   |
|----|--|
| 5  | <p>＜モルタル剤 搅拌 / Mortar agent stirring＞</p> <p>モルタル剤を開封し、底に沈殿した骨材と基剤が混ざるよう搅拌する</p> <p>/ Open the mortar and stir to mix the aggregate and base settled on the bottom</p>   |
| 6  | <p>＜モルタル剤、硬化剤混合 / Mixing mortar and curing agent＞</p> <p>モルタル剤、硬化剤を計量し混合する。混合後、モルタル剤の可使時間内に手順8項まで完了させる</p> <p>路面状況により使用料が多少変動する事が予測されます。設置状況を見ながらモルタル剤と硬化剤の量を調整してください</p> <p>/ Weigh and mix the mortar and hardener. After mixing, complete up to step 8 within the pot life of the mortar.</p> <p>It is expected that the usage fee will fluctuate slightly depending on the road surface conditions. Adjust the amount of mortar and hardener while observing the installation status</p> |
| 7  | <p>＜モルタル剤 流入 / Inflow of mortar agent＞</p> <p>混合したモルタル剤を設置穴に流し込む</p> <p>/ Pour the mixed mortar into the installation hole</p>   |



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| NO | 内容 / Content  |
|----|---|
| 8  | <p>＜クランプ 装着 / Clamp mounting＞</p> <p>クランプを本体の開口部に引っかけてから天面の部位に嵌合させる同様に残りの2か所も行う（全3か所）（右図参照）</p> <p>/ Hook the clamp on the opening of the main body and then fit it on the top surface.</p> <p>Do the same for the remaining 2 locations (3 locations in total)(See the figure on the right)</p>     |
| 9  | <p>＜本体 起動 / Start the main unit＞</p> <p>磁石を本体左側のほぼ中央から2回スワイプして起動する（右写真参照）尚、起動後、3分以内にNo10までの作業を完了する事</p> <p>/ Swipe the magnet twice from almost the center on the left side of the main unit to start it.</p> <p>(See the photo on the right)</p> <p>In addition, work up to No10 must be completed within 3 minutes after startup</p> <p>※スリープモードにする場合は同じ箇所を3回スワイプする</p> <p>/ If you want to put it in sleep mode, swipe the same place 3 times.</p>  <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>センサ左側をスワイプ<br/>/ Swipe the left side of the sensor</p> </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>LEDが二回点滅することを確認<br/>/ Make sure the LED flashes twice</p> </div> <p>本体起動後、磁石を本体近くに置いたままにしない事<br/>/ Do not leave the magnet near the main body after starting.</p> |
| 10 | <p>＜本体 配置 / Body placement＞</p> <p>本体を設置穴に押し込んで配置する注：右写真の通り、本体の設置方向は駐車方向に合わせる</p> <p>/ Push the main body into the installation hole and place it</p> <p>Note: As shown in the photo on the right, the installation direction of the main unit should match the parking direction</p>  <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;">   <p>駐車方向 / Parking direction</p> <p>設置向き印<br/>/ Direction mark</p> </div>   |

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| NO | 内容 / Content   |
|----|--|
| 11 | <p>＜クランプカット / Clamp cut ＞</p> <p>モルタル剤硬化後、路面に出ているクランプをニッパー等でカットする</p> <p>/ After curing the mortar agent, cut the clamp on the road surface with nippers, etc</p>  |
| 12 | <p>＜設置完了 / Installation completed ＞</p>   |

**Parking sensor installation instructions**

●EUの制限 ERC勧告70-03、付録6：無線測定アプリケーション、バンドM、24.05～24.25GHzによる。

EU restriction, according ERC Recommendation 70-03, Annex 6: Radiodetermination applications, Band M, 24.05 – 24.25 GHz.

英國：警察で使用している速度計を保護するには、24.05～24.15GHzで動作するデバイスは2MHz / mSの最小掃引速度を採用する必要があります。

United Kingdom: To protect police speed meters devices operating in 24.05-24.15 GHz must employ a minimum sweep rate of 2 MHz/mS



| EU Operating frequency<br>動作周波数(EU) | Max output power<br>最大出力 |
|-------------------------------------|--------------------------|
| 868.1 MHz                           | $\leq 14$ dBm            |
| 868.3 MHz                           |                          |
| 868.5 MHz                           |                          |
| 869.525 MHz                         |                          |
| 24 GHz                              | $\leq 12.5$ dBm          |

**EU contact address**

NMB-Minebea-GbmH

Siemens Str. 30, D-63225 Langen, Germany

## Parking sensor installation instructions

**●FCCの仕様に関する表記について**  
Notation related to FCC specifications

FCC ID : 2AWRLNDPM006US

- Product : Parking Sensor
- Model : NDPM006 US

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**•FCC CAUTION**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on,

the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Contact for US area

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