徽标

描述已自动生成



This specification is applicable to SD-V3207 / 3307 series products

**The machine status monitoring diagnostic is installed**

**operating instruction**

**Safety warning**

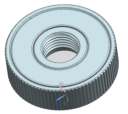
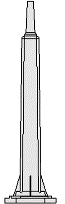
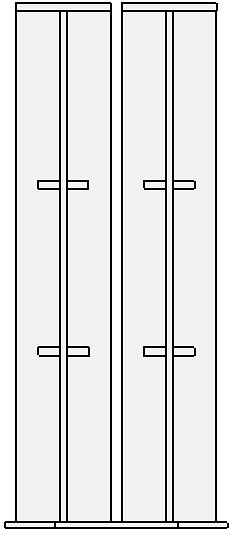
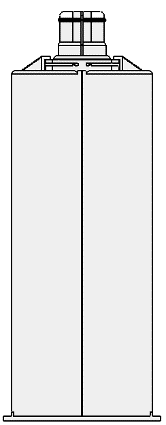
In order to use your products correctly and safely, please read this book carefully.

* Non-professionals do not remove the product, if there is any fault, please contact the professionals;
* This product includes lithium sub-battery, do not heat the product over the temperature of 60℃, so as not to cause personnel injury;
* It is prohibited to install, use, maintain and alter the products in any way not specified in this manual;

**Product packaging list**

# After opening the product packaging box, please check whether the items in the packaging box are complete. If there is any missing, please contact us quickly. The actual configuration is subject to the "Product packing List".

**Product host:**



glue

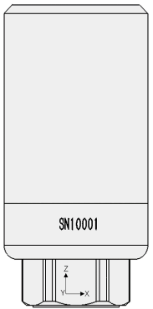
booster

Mixed glue head

**Adhesive mounting accessories (optional)**

Magnet \* 1

**Magnetic suction mounting accessories (optional)**



Machine status monitoring diagnostic instrument \* 1

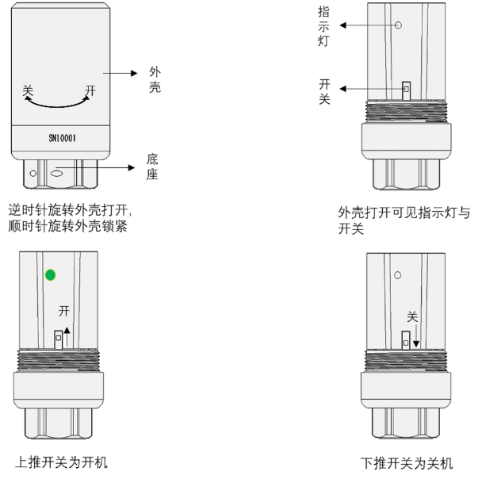
Product qualification certificate \* 1

Product specification and warranty card \* 1

**Product introduction materials:**

**Product host:**

**Know your product**



|  |  |  |
| --- | --- | --- |
| **state** | | **explain** |
| green light | Booon slow flash 5 times (once 1s) -> Chang bright (2s) -> flash 7 times (once 500ms) -> flicker once-> out | Diagnostic instrument was connected to the gateway successfully (V 3207-zg)(Sensor first connected to this gateway) |
| Booon slow flash 5 times (1s once) -> Chang bright (2s) -> flicker once-> out | Diagnostic instrument was connected to the gateway successfully (V 3207-zg) (Sensors were previously connected to this gateway) |
| green light | Booon slow flash 5 times (1s once) -> Chang bright (2s) -> flash 7 times (500ms once) -> out | The Diagnostics machine has failed to connect to the gateway  （ZigBee) |
| green light | Booon slow flash 5 times (1s once) -> Chang bright (20s, sensor network process) -> flicker once-> out | The diagnostic instrument was successfully connected to the cloud platform  (PDA) |
| green light | Booon slow flash 5 times (1s once) -> Chang bright (20s, sensor injection process) -> out | The diagnostic failed to connect to the cloud platform  (PDA) |
| blue light | Start slow flash 5 times (1s) -flicker once after> 7s-> 7s flash once-> out | The diagnostic instrument was successfully connected to the cloud platform  （4G Cat1） |
| blue light | Start-up slow flash 5 times (1s once) -> out | The diagnostic failed to connect to the cloud platform  （4G Cat1） |

**Select the installation location**

The intelligent wireless diagnostic instrument is generally arranged on the main bearing or main bearing seat of the pump equipment, and the machine cover, cover plate and other parts are not suitable for measuring points.

The corresponding installation position of each type is shown in the figure.

## Suspension arm centrifugal pump

Quantity: 1~2

It must be installed in the vertical direction (V direction shown in the figure)

Near the drive end bearing position

If in case, install to both ends of the bearing case

## Support pump at both ends

Quantity: 2

Installation location is vertical (V direction shown in the figure)

One bearing position at each end

## Vertical pipe pump

Quantity: 1

Pump type with bearing body structure is mounted to the shaft

Bearing position (Y direction shown in Figure 1)

No bearing body structure pump type mounted to the electrical

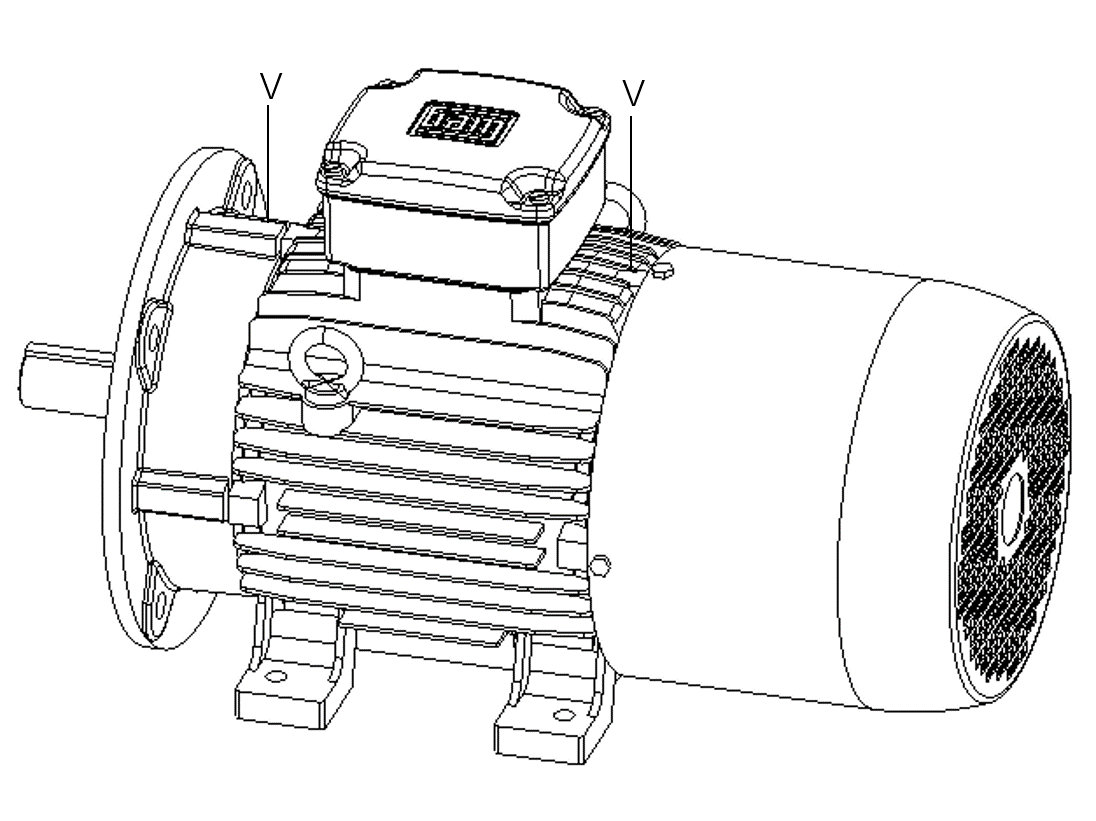
Location of machine coupling flange (X-direction as shown in Figure 2)

**Select the installation location**

Intelligent wireless diagnostic instrument is generally arranged on the main bearing or main bearing seat of the motor equipment, and the machine cover, cover plate and other parts are not suitable for measuring points.

The corresponding installation positions of some motors are shown in the figure.

## Low voltage motor



Quantity: 2

Installation location is vertical (V direction shown in the figure)

One bearing position at each end

Note: Dual terminals adopt the "main + secondary" working mode.

Optional 1 time is installed on the drive end

Installation method: stud installation /

## High voltage motor

Quantity: 2

Installation location is horizontal (H direction shown in the figure)

One bearing position at each end

Note: Dual terminals adopt the "main + secondary" working mode.

It is recommended to be installed in "main + auxiliary" working mode.

## High voltage motor

Quantity: 2

Installation location is vertical (V direction shown in the figure)

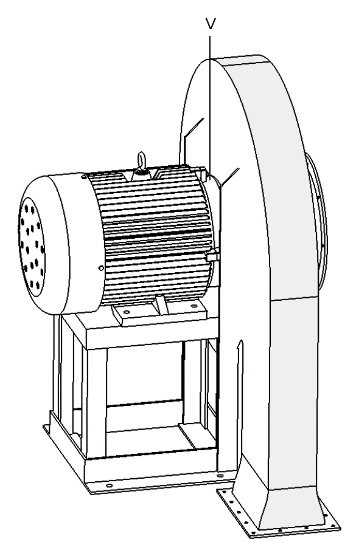
One bearing position at each end

Note: Dual terminals adopt the "main + secondary" working mode.

It is recommended to be installed in "main + auxiliary" working mode.

**Select the installation location:**

The intelligent wireless diagnostic instrument is generally arranged on the main bearing or the main bearing seat of the fan equipment, and the machine cover, cover plate and other parts are not suitable for measuring points.

The corresponding installation position of some fans is shown in the figure.

## High pressure centrifugal fan

Quantity: 1

Installation location is vertical (V direction shown in the figure)

Near the drive end bearing position

## induced draft fan

Quantity: 2

Installation location is vertical (V direction shown in the figure)

One bearing position at each end of the bearing seat

Note: Dual terminals adopt the "main + secondary" working mode.

## centrifugal blower

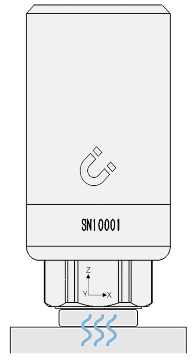
Quantity: 2

Installation location is vertical (V direction shown in the figure)

One bearing position at each end of the bearing seat

Note: Dual terminals adopt the "main + secondary" working mode.

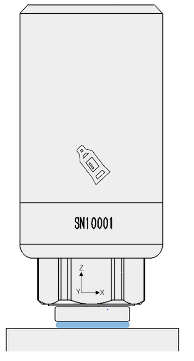
**Choose how to install**



## Magnetic suction installation

Installation interface requirements: magnetic suction plane ø 23mm

Installation accessories: ø20X8mm magnetic seat \* 1



## Adhesive installation

Installation interface requirements: adhesive plane ø 23mm

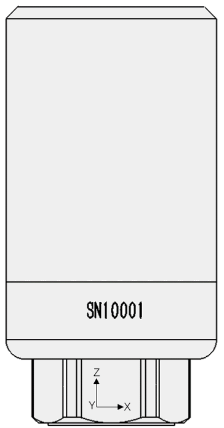
Installation accessories: special metal glue \* 1

Note: 1. In order to ensure the best installation stability and temperature monitoring accuracy, it is recommended to use stud installation.

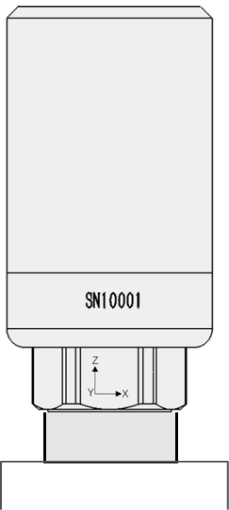
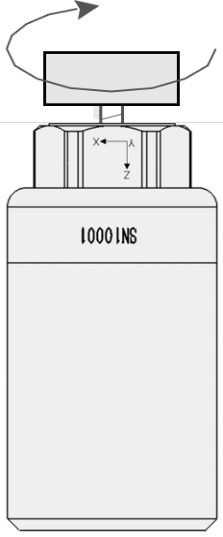
2. Strong magnets will demagnefy for a long time and high temperature. When the surface temperature of the equipment is higher than 55°C, it is recommended to use stud or adhesive installation.

**Specific installation steps**

**Bolt installation**



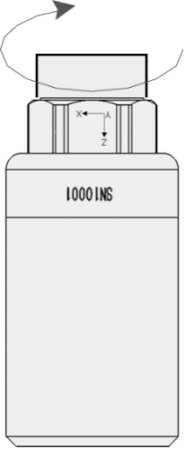
1. Screw the product clockwise into the stud, to ensure that the sensor Z axis direction is perpendicular to the equipment axis, and the X axis direction is parallel to the equipment axis Z HOU Z HOUXIAN parallel

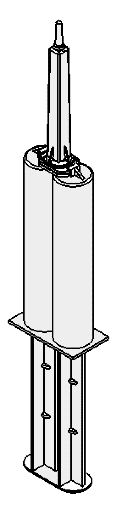
**Magnetic suction installation**

2. Adsorb the product to the equipment installation point to ensure that the sensor Z axis direction is perpendicular to the equipment axis, and the X axis direction is parallel to the equipment axis

1. Tighten the magnetic seat clockwise to the product

Close end to fit lock

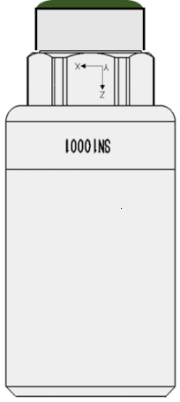
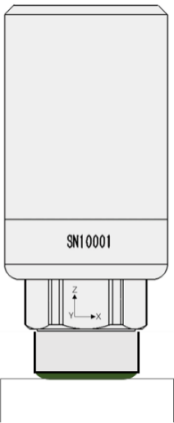
**Adhesive installation**



2. Assemble the special metal rubber gun and press the booster

The metal glue will be automatically mixed and discharged by the mixed glue head

1. Tighten the magnetic seat clockwise to the product



3. Apply the glue evenly to the bottom surface of the magnetic base

4. Attach the sensor to the installation point of the equipment to ensure that the sensor Z axis direction is perpendicular to the equipment axis, and the X axis direction is parallel to the equipment axis

## Installation direction

The height direction of intelligent wireless diagnostic instrument (such as the Z axis direction on the right) needs with the pump

The equipment axis is vertical, and the Y-axis direction is parallel to the axis.

X: Horizontal Y: Axial Z: vertical (spindle)

\* Note: Do not remove the host shell and base by yourself, otherwise it may lead to product failure.

**conformally connected space**

The warranty period of the intelligent wireless diagnostic instrument product is 2 years. During the normal use of the product, if the product has a non-human damaged performance failure, provide free adjustment, maintenance and replacement within 2 years from the date of purchase.

After-sales service hotline:

warranty card

|  |  |
| --- | --- |
| userinfo | |
| surname and personal name |  |
| contact number |  |
| postal address |  |
| date of purchase |  |
| Sales unit information | |
| name |  |
| address |  |
| contact number |  |
| on-product information | |
| product model |  |
|  |  |
| Product serial number |  |

This information is for reference only and does not constitute a commitment of any kind