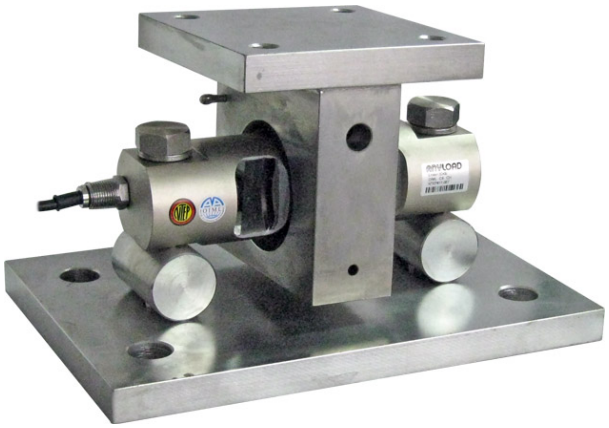
102DSM3 Weighing Module Installation Guide

First, check the packing list

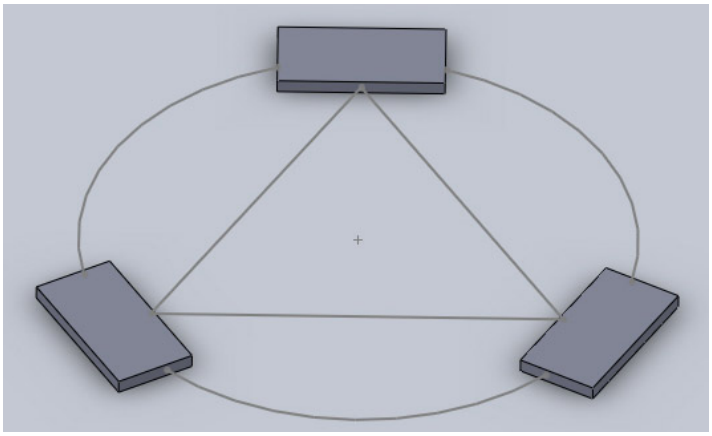
1 set of module; 1 set of installation guide



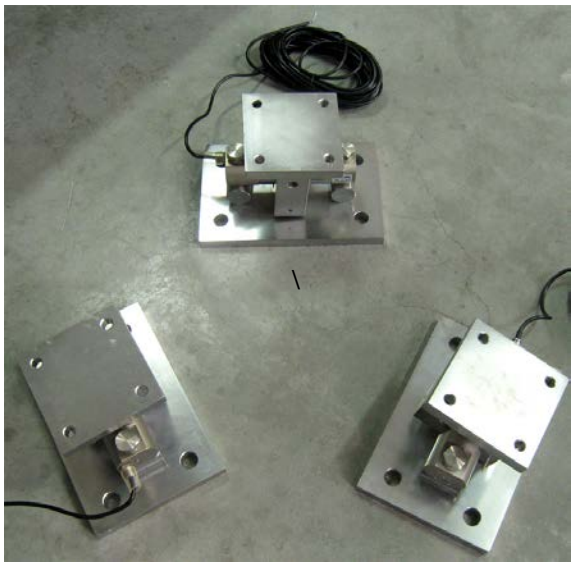
Second, check the basic level

1、The installation of each weighing module based on the level of 0.5mm should be within the primary foundation should be in the same horizontal plane.

2、The level of the support block connected to the weighing module is 0.2mm, and the level of each terminal is required to be on the same level (3mm).



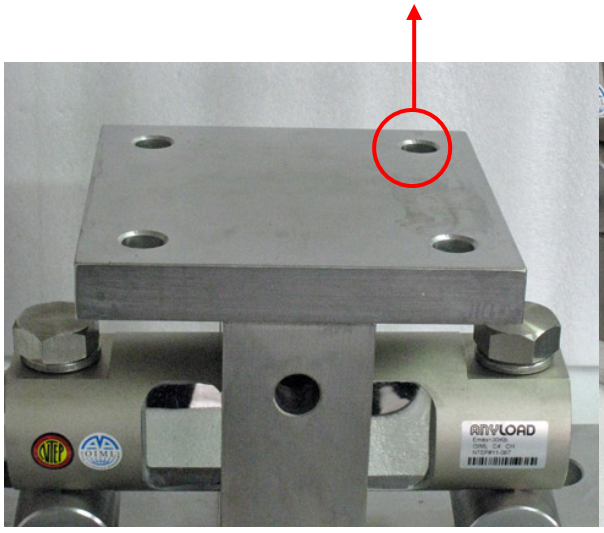
Third, the module preparation

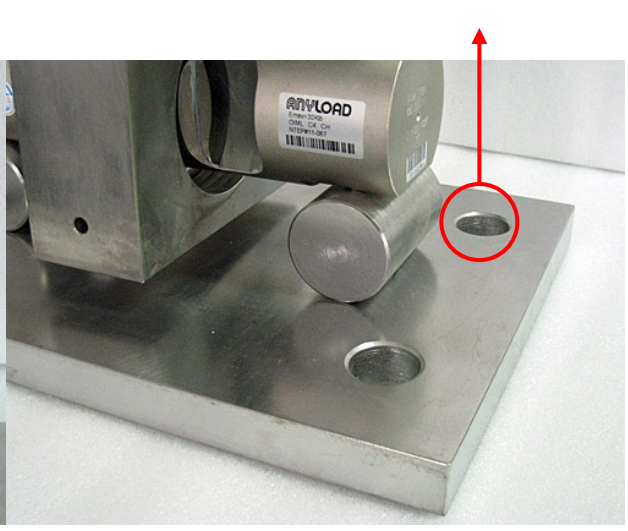


Fourth, the module roof, floor connections

Roof bolt connection hole

Base plate bolt connection hole



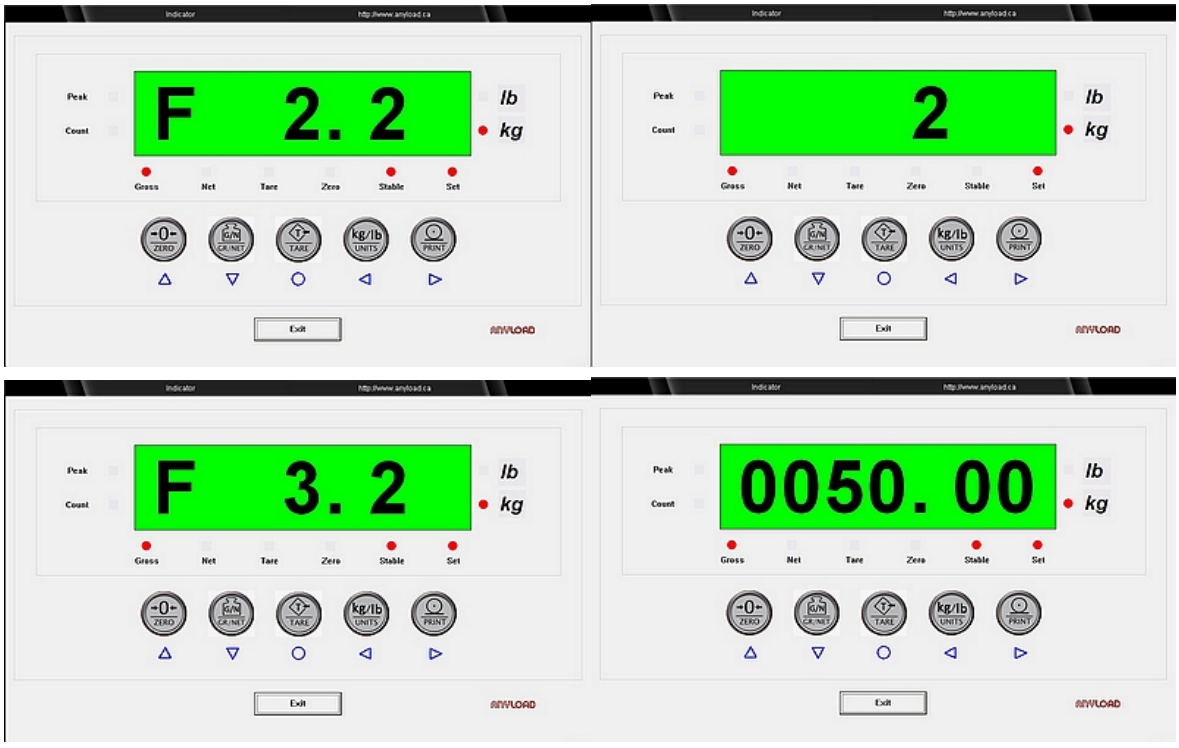


Fifth, the cable

The module is connected with the terminal box and the terminal box is connected with the instrument.

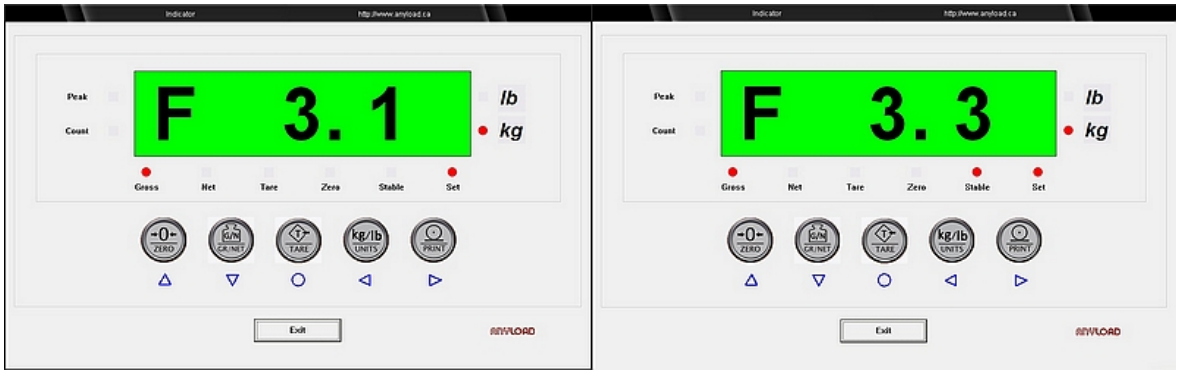
Sixth, Calibration

1、Set the range and scale value (805TS as an example 50x0.01kg)



Set F2.2 to 2 and F3.2 to 50.00

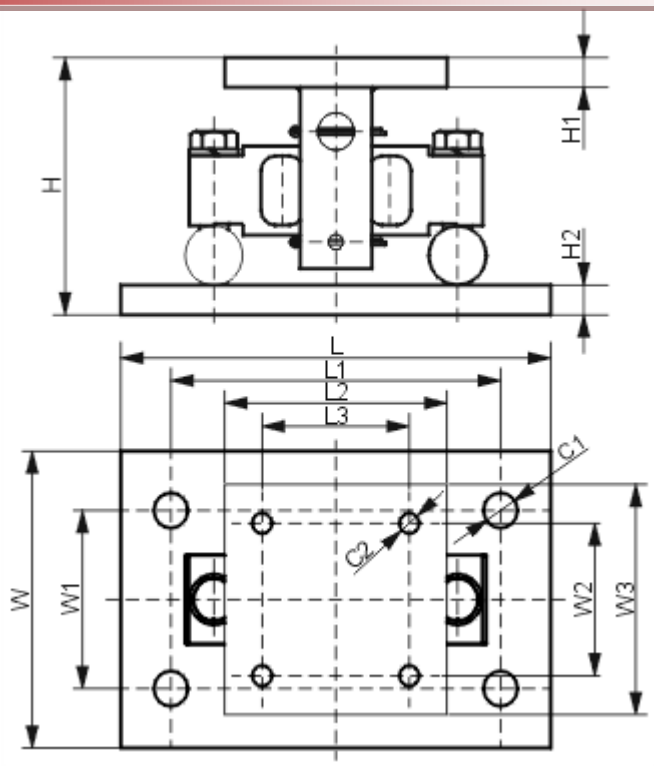
2, Set the zero and load calibration



Go to F3.1 and F3.3 and follow the instructions in the manual to set the zero point and load calibration

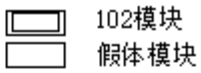
3, The calibration ends, exit the calibration mode

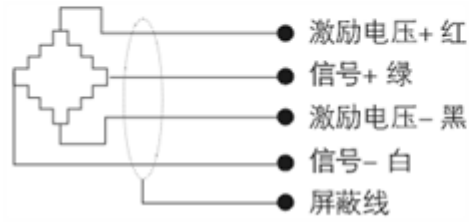
Seventh, The module dimensions

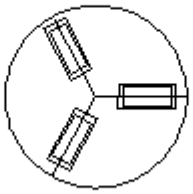


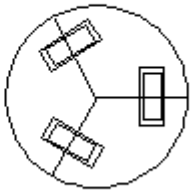
尺　寸

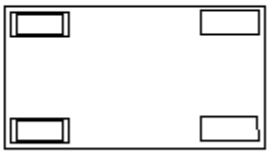
量程	C1	C2	H	H1	H2	L	L1	L2	L3	W	W1	W2	W3
lb/inches													
5,000…20,000	1.06 DIA	0.56 DIA	5.27	0.50	0.75	11.00	8.00	5.50	3.00	7.50	4.00	3.00	5.50
30,000…75,000	1.19 DIA	0.69 DIA	8.42	0.75	1.00	15.00	11.50	7.76	5.13	10.00	6.00	5.13	7.76
100,000…150,000	1.38 DIA	0.81 DIA	10.12	1.00	1.25	18.00	14.00	10.0	7.50	12.00	9.00	7.50	10.0
kg/mm (由上述尺寸转换)													
2,268…9,071.8	27.0 DIA	14.3 DIA	133.9	12.7	19.0	279.4	203.2	139.7	76.2	190.5	101.6	76.2	139.7
22,679.6	30.2 DIA	17.5 DIA	213.9	19.0	25.4	381.0	292.1	197.0	130.4	254.0	152.4	130.4	197.0
45,359.2…68,038.9	35.0 DIA	20.6 DIA	257.0	25.4	31.8	457.2	355.6	254.0	190.5	304.8	228.6	190.5	254.0






径向安装


切向安装


矩形安装

Eight, Common causes of failure analysis

1. The weighing system instrument data is not stable

A) Make sure that the sensor, module and other mechanical parts are installed correctly and the sensor is effective.

B) Determine that the measured force source is stable. The measured weight and whether there is rubbing in the outer caused by force value of instability, such as the measured object must be within the outer surface. Connection should be "soft" connection.

C) There is strong electric field or magnetic field interference near the weighing system.

D) The sensor shield wire and the instrument need to be grounded properly.

E) The power supply of the sensor and the instrument must be stable.

F) Determine whether outer conductor is not damaged. The screws for the sensor, junction box and instrument connection must not be loosed.

G) Make sure that the sensor insulation is in normal and can be checked by measuring the impedance between the outer conductor and the sensor surface

2, The weighing system in the load when the load is not a linear load, or load the same weight when the repeatability of the system is beyond the allowable error range.

A) The module installation foundation is not stable, the sensor sink uneven.

B) The sensor, the module and so on the mechanical part installment place has rubs against.

C) Weighing system and external equipment connection problems.

D) The tank and other heavy objects to be installed at the mechanical processing problems.

3, The weighing system has no data output.

A) Test whether the sensor input and output impedance is within the specified range.

B) Determine the sensor load, load and output signals are in normal.

C) Use the simulator (or determine the normal sensor) to determine whether the instrument is good.

Ninth, Notes

1, The supply voltage within the allowable range.

2, Do not overload, to avoid shock.

3, The use of on-site environment in line with the sensor IP level