

Weighing Module

Model: HLT

Static/dynamic weighing Module

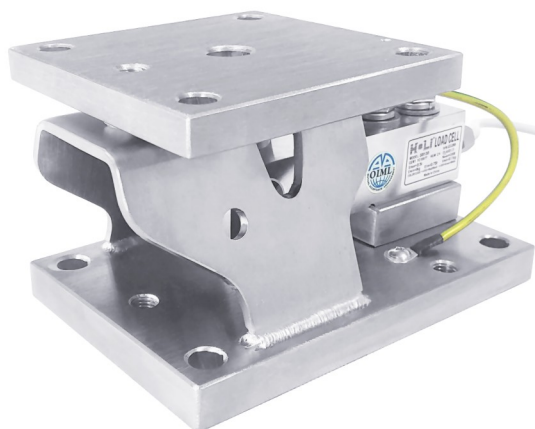
Capacity: 100kg~10t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- Dual-use for static and dynamic loading, high precision.
- Simple and quick installation; supports sensorless on-site installation to protect sensors.
- Easy maintenance, reduces downtime.
- Anti-overturning and anti-overload protection.
- It shares identical mounting dimensions with the equivalent module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Supports sensor-free transportation and installation to avoid damage.

Applications:

- High-precision batching for high-value materials in industries such as new energy, pharmaceuticals, food, fine chemicals, and petrochemicals
- Upgrading existing low-precision modules.

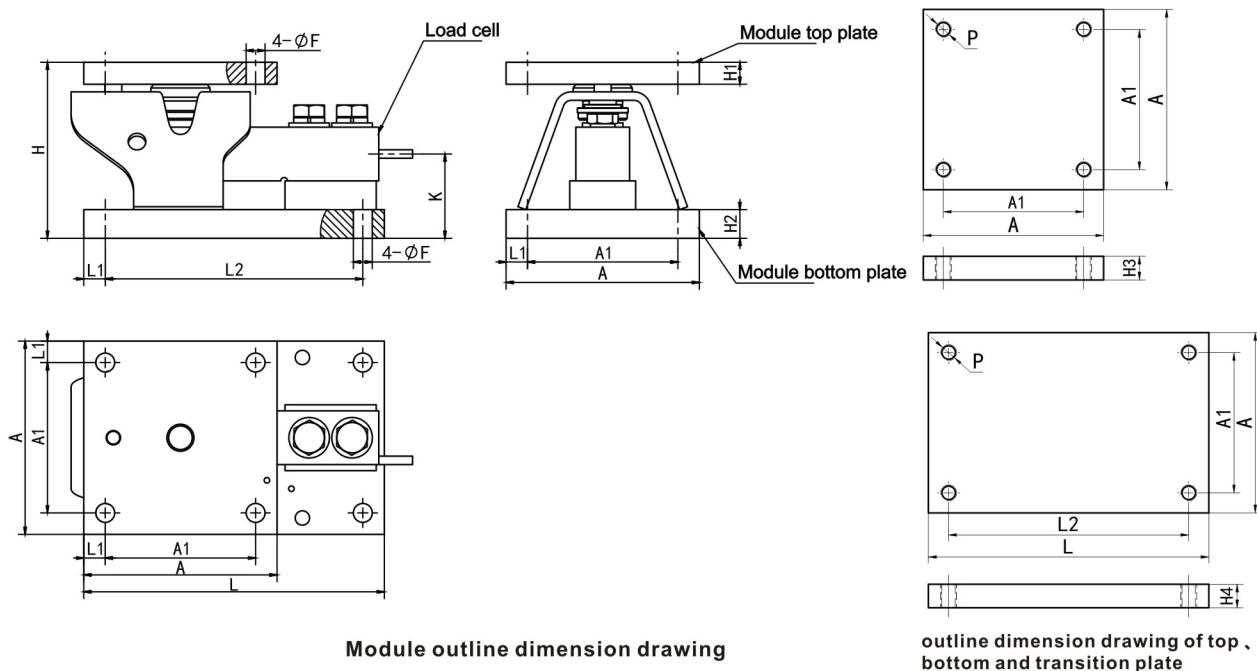
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Optional components include: horizontal tie rods (for dynamic load applications such as mixing) and transition plates (to facilitate module installation)
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

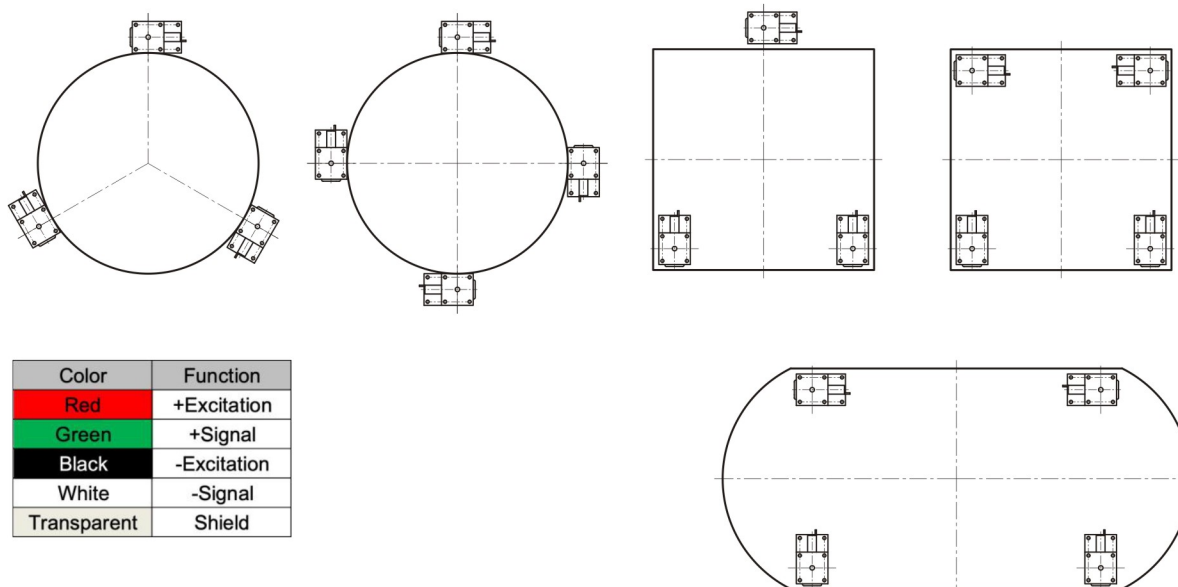
Load cell		AS130 (Alloy steel)	SS130 (Stainless steel)
Rete capacity(Emax)	t	0.1, 0.2, 0.5, 1, 2, 3, 5, 10	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.01	
Hysteresis error	%R.C.	≤±0.02	
Non-linearity error	%R.C.	≤±0.02	
Creep 30 minutes	%R.C.	≤±0.02	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002	
Zero Temperature Coefficient	%R.C./°C	≤±0.002	
Input resistance	Ω	350±2	
Output resistance	Ω	350±2	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	150	
Ultimate load limit	%R.C.	300	
Protection (IP) Rating		IP68	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C3	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, Ii=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

HLT Module and Transition Plate Dimensional Drawing



Capacity(t)	A	A1	L	L1	L2	H	H1	H2	H3	H4	F	K	P
0.1~3	114.4	89	177.9	12.7	152.4	105.2	13	13	13	13	11.2	49.9	M10
5	152.4	101.6	235	25.4	184.2	136.6	19	19	19	19	17.5	65.1	M16
10	180	130	300	25	250	160	24	24	24	24	22	80	M20

HLT Module Installation drawing



Notes:

- The horizontal tie bars are used to stabilize horizontal sway of the silo during operation (e.g., during mixing). The load capacity of a single horizontal tie bar, refer to the technical specifications.
- If horizontal tie bars are not selected for the weighing modules, the installation orientation of the weighing modules does not need to follow the requirements shown in the diagram.
- For the installation procedure and precautions, refer to the "HLT Static/Dynamic Weighing Module Installation Guide".

Weighing Module

Model: HLD⁺

Dynamic weighing Module

Capacity: 100kg~10t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- Self-centering rocker column load cell head design ensures consistent load positioning, delivering high accuracy and excellent repeatability.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Overload protection with adjustable horizontal limit bolts.
- It shares identical mounting dimensions with the CWC series module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Suitable for weighing and process weighing control in harsh environments with horizontal impact forces, such as conveyor roller scales.

Applications:

- High-precision batching for high-value materials in industries such as new energy, pharmaceuticals, food, fine chemicals, and petrochemicals
- Upgrading existing low-precision modules.

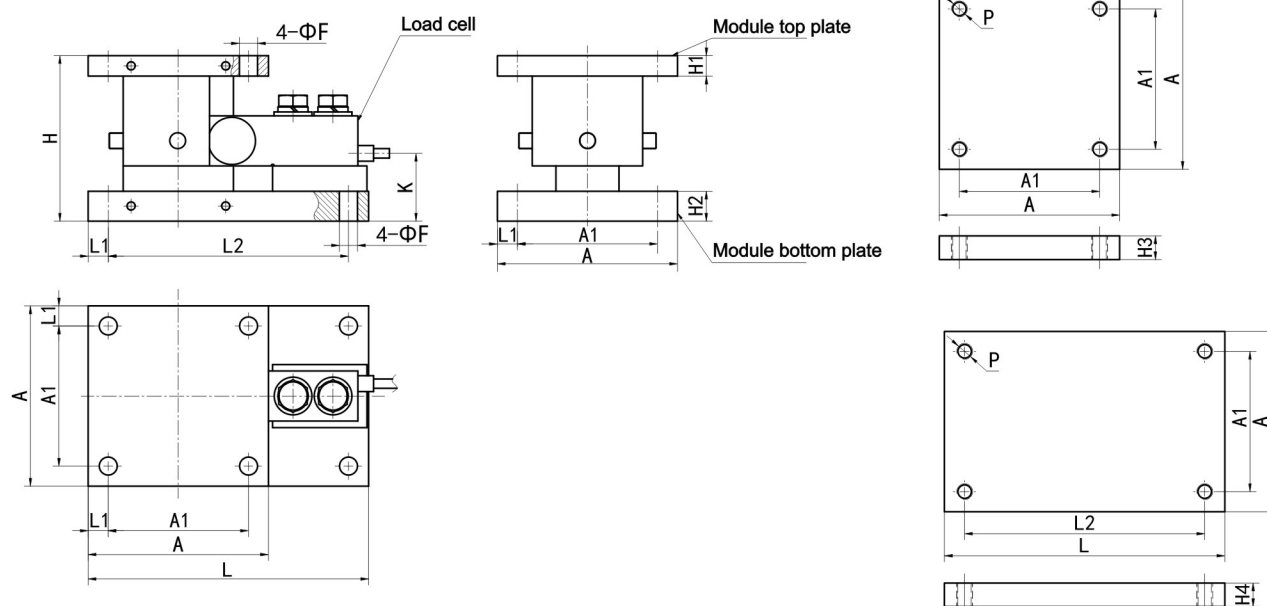
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Optional components include: transition plates (to facilitate module installation)
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

Load cell		AS130 (Alloy steel)	SS130 (Stainless steel)
Rete capacity(Emax)	t	0.1, 0.2, 0.5, 1, 2, 3, 5, 10	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.01	
Hysteresis error	%R.C.	≤±0.02	
Non-linearity error	%R.C.	≤±0.02	
Creep 30 minutes	%R.C.	≤±0.02	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002	
Zero Temperature Coefficient	%R.C./°C	≤±0.002	
Input resistance	Ω	350±2	
Output resistance	Ω	350±2	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	150	
Ultimate load limit	%R.C.	300	
Protection (IP) Rating		IP68	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C3	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, Ii=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

HLD⁺ Module and Transition Plate Dimensional Drawing

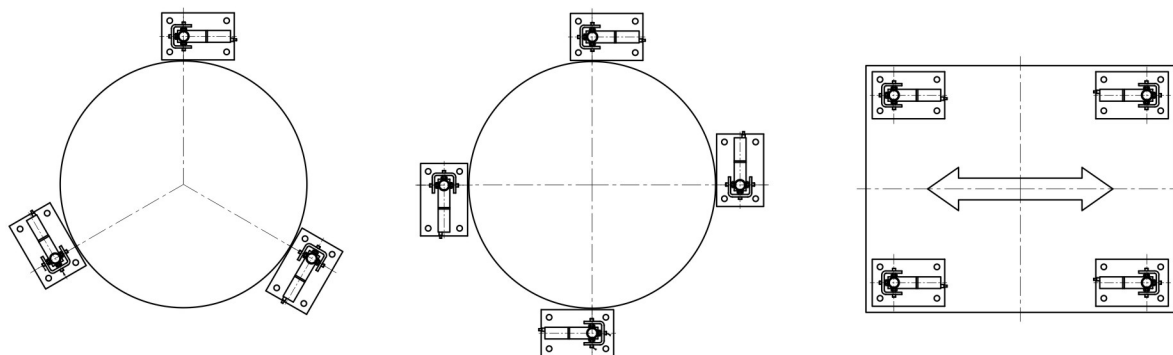


Module outline dimension drawing

outline dimension drawing of top, bottom and transition plate

Capacity(t)	A	A1	L	L1	L2	H	H1	H2	H3	H4	F	K	P
0.1~3	114.3	88.9	177.8	12.7	152.4	104.8	13	13	13	13	11	49.9	M10
5	152.4	101.6	235	25.4	184.2	136.5	19	19	19	19	17.5	65.1	M16
10	180	130	300	25	250	160	24	24	24	24	22	80	M20

HLD⁺ Module Installation drawing



Tangential orientation of 3 modules

Rectangular arrangement of 4 modules

Rectangular arrangement of 4 modules

Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

- When only two modules in the same direction are subjected to impact, the two modules should be located on the same side of the scale.
- For the installation procedure and precautions, refer to the "HLD⁺ Dynamic Weighing Module Installation Guide".

Weighing Module

Model: HLD

Dynamic weighing Module

Capacity: 500kg~20t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- Self-centering rocker column load cell head design ensures consistent load positioning, delivering high accuracy and excellent repeatability.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Overload protection with adjustable horizontal limit bolts.
- It shares identical mounting dimensions with the CW series module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Suitable for weighing and process weighing control in harsh environments with horizontal impact forces, such as conveyor roller scales.

Applications:

- High-precision batching for high-value materials in industries such as new energy, pharmaceuticals, food, fine chemicals, and petrochemicals
- Upgrading existing low-precision modules.

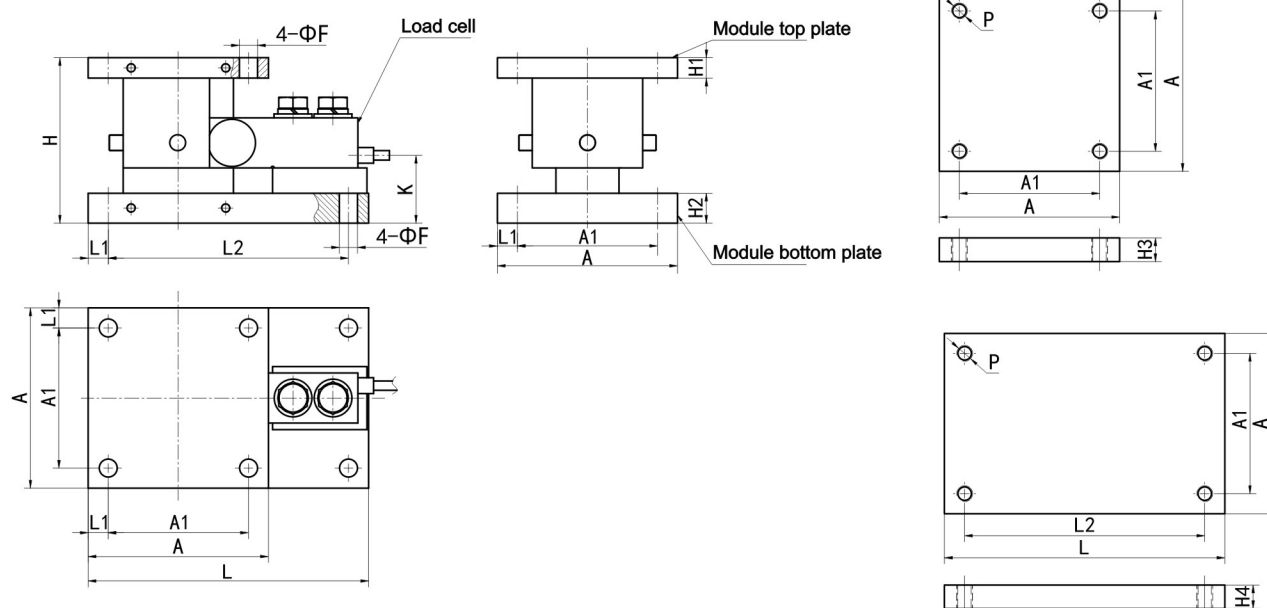
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Optional components include: transition plates (to facilitate module installation)
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

Load cell		AS203 (Alloy steel)	SS203 (Stainless steel)
Rete capacity(Emax)	t	0.5, 1, 2, 3, 5, 8, 10, 15, 20	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.01	
Hysteresis error	%R.C.	≤±0.02	
Non-linearity error	%R.C.	≤±0.02	
Creep 30 minutes	%R.C.	≤±0.02	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002	
Zero Temperature Coefficient	%R.C./°C	≤±0.002	
Input resistance	Ω	350±2	
Output resistance	Ω	350±2	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	150	
Ultimate load limit	%R.C.	300	
Protection (IP) Rating		IP68	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C3	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, Ii=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

HLD Module and Transition Plate Dimensional Drawing

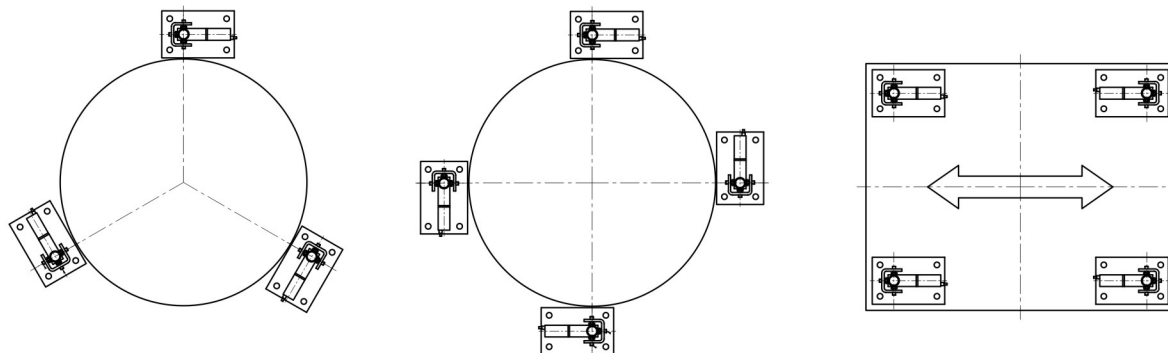


Module outline dimension drawing

outline dimension drawing of top, bottom and transition plate

Capacity(t)	A	A1	L	L1	L2	H	H1	H2	H3	H4	F	K	P
0.1~3	114.3	88.9	177.8	12.7	152.4	104.8	13	13	13	13	11	49.9	M10
5	152.4	101.6	235	25.4	184.2	136.5	19	19	19	19	17.5	65.1	M16
10	180	130	300	25	250	160	24	24	24	24	22	80	M20

HLD Module Installation drawing



Tangential orientation of 3 modules

Rectangular arrangement of 4 modules

Rectangular arrangement of 4 modules

Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

- When only two modules in the same direction are subjected to impact, the two modules should be located on the same side of the scale.
- For the installation procedure and precautions, refer to the "HLD Dynamic Weighing Module Installation Guide".

Weighing Module

Model: HLJ

Static weighing Module

Capacity: 500kg~20t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- Self-centering rocker column load cell head design ensures consistent load positioning, delivering high accuracy and excellent repeatability.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the FW series module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Three types of top plate structures (fixed, semi-floating, and floating) eliminate weighing errors caused by thermal expansion and contraction of the tank.
- Support bolts prevent the equipment from tipping over.

Applications:

- High-precision batching for high-value materials in industries such as new energy, pharmaceuticals, food, fine chemicals, and petrochemicals
- Upgrading existing low-precision modules.

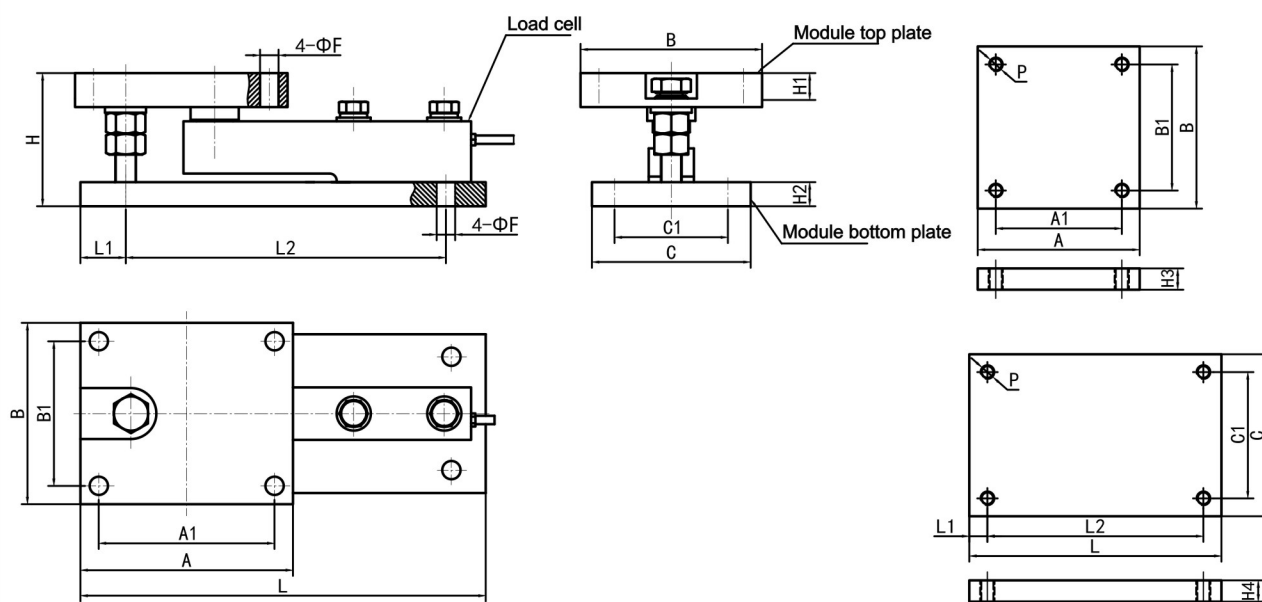
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Optional components include: transition plates (to facilitate module installation)
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

Load cell		AS203 (Alloy steel)	SS203 (Stainless steel)
Rete capacity(Emax)	t	0.5, 1, 2, 3, 5, 8, 10, 15, 20	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.01	
Hysteresis error	%R.C.	≤±0.02	
Non-linearity error	%R.C.	≤±0.02	
Creep 30 minutes	%R.C.	≤±0.02	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002	
Zero Temperature Coefficient	%R.C./°C	≤±0.002	
Input resistance	Ω	350±2	
Output resistance	Ω	350±2	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	150	
Ultimate load limit	%R.C.	300	
Protection (IP) Rating		IP68	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C3	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, Ii=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

HLJ Module and Transition Plate Dimensional Drawing

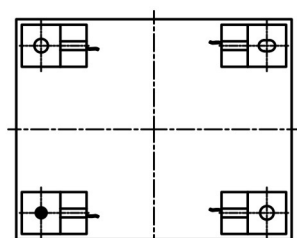


Module outline dimension drawing

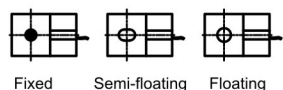
outline dimension drawing of top, bottom and transition plate

Capacity(t)	L	L1	L2	A	A1	B	B1	C	C1	H	H1	H2	H3	H4	F	P
0.5~3	286	32	226	150	124	128	102	112	80	102	13	13	13	13	13	M12
5、8	317.5	32	257	178	146	152	120	152	102	130	19	19	19	19	17	M16
10、15	360	32	295	184	152	154	122	154	106	168	24	24	24	24	21	M20
20	400	25	350	220	170	220	170	220	170	213	39	39	39	39	26	M24

HLJ Module Installation drawing

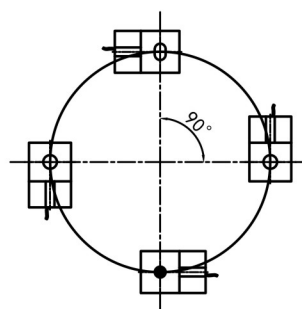


Rectangular arrangement

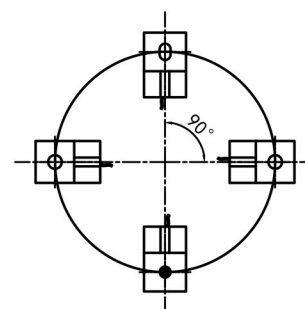


Fixed Semi-floating Floating

Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield



Tangential arrangement



Radial arrangement

Notes:

For the installation procedure and precautions, refer to the "HLJ Dynamic Weighing Module Installation Guide".

Weighing Module

Model: HLJ⁺

Static weighing Module

Capacity: 100kg~10t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- Self-centering rocker column load cell head design ensures consistent load positioning, delivering high accuracy and excellent repeatability.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the FWC series module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Three types of top plate structures (fixed, semi-floating, and floating) eliminate weighing errors caused by thermal expansion and contraction of the tank.
- Support bolts prevent the equipment from tipping over.

Applications:

- High-precision batching for high-value materials in industries such as new energy, pharmaceuticals, food, fine chemicals, and petrochemicals
- Upgrading existing low-precision modules.

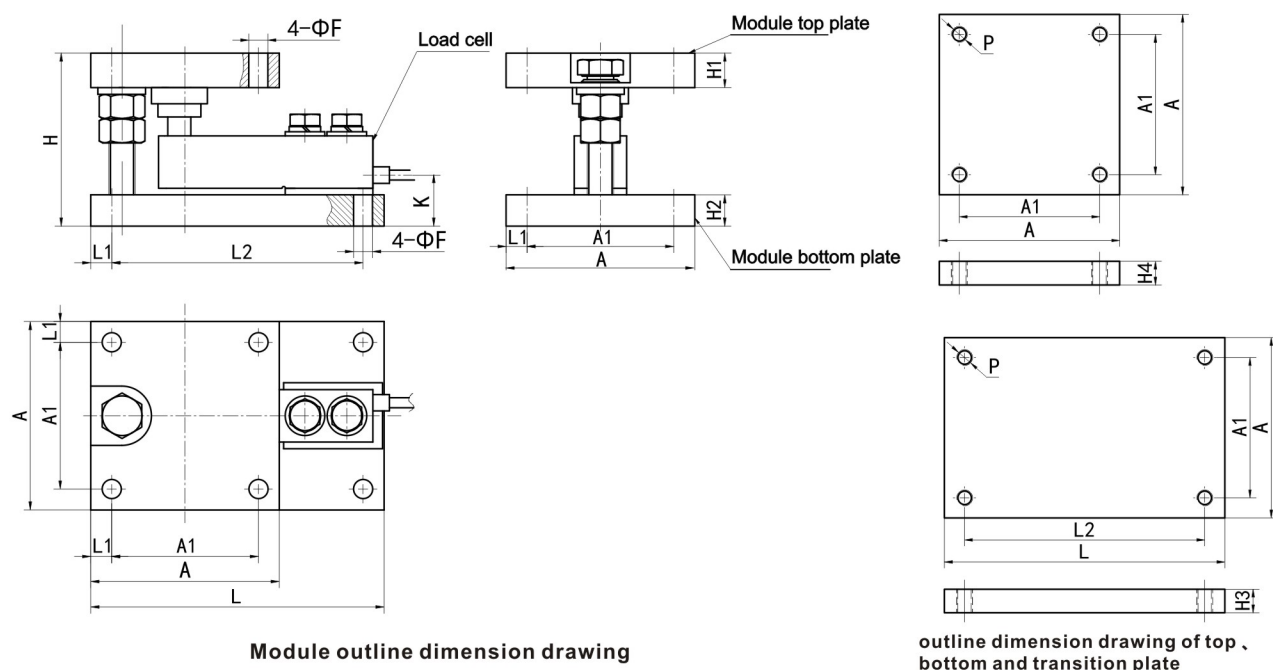
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Optional components include: transition plates (to facilitate module installation)
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

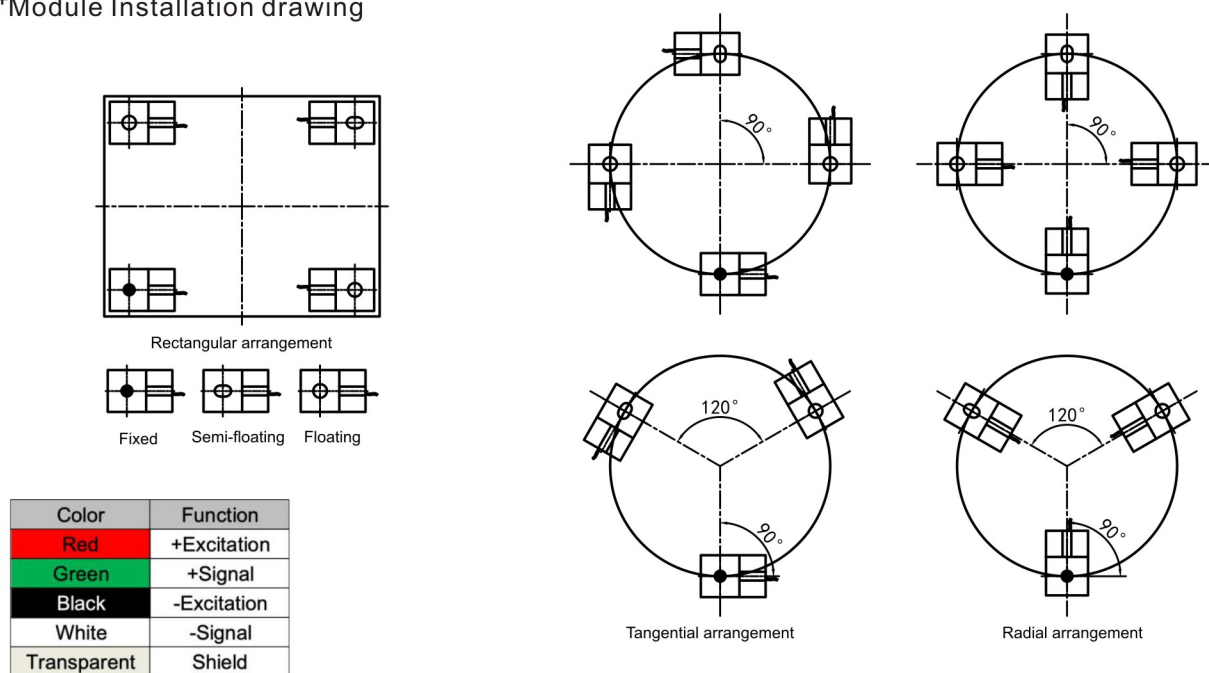
		AS130 (Alloy steel)	SS130 (Stainless steel)
Load cell			
Rete capacity(Emax)	t	0.1, 0.2, 0.5, 1, 2, 3, 5, 10	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.01	
Hysteresis error	%R.C.	≤±0.02	
Non-linearity error	%R.C.	≤±0.02	
Creep 30 minutes	%R.C.	≤±0.02	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002	
Zero Temperature Coefficient	%R.C./°C	≤±0.002	
Input resistance	Ω	350±2	
Output resistance	Ω	350±2	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	150	
Ultimate load limit	%R.C.	300	
Protection (IP) Rating		IP68	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C3	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, li=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

HLJ⁺Module and Transition Plate Dimensional Drawing



Capacity(t)	A	A1	L	L1	L2	H	H1	H2	H3	H4	F	K	P
0.1~3	114.3	88.9	177.8	12.7	152.4	104.8	13	13	13	13	11	49.9	M10
5	152.4	101.6	235	25.4	184.2	136.5	19	19	19	19	17.5	65.1	M16
10	180	130	300	25	250	160	24	24	24	24	22	80	M20

HLJ⁺Module Installation drawing



Notes:

For the installation procedure and precautions, refer to the "HLJ⁺Dynamic Weighing Module Installation Guide".

Weighing Module

Model: HLG

Stainless steel weighing Module

Capacity: 5t~50t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- Self-centering rocker column load cell head design ensures consistent load positioning, delivering high accuracy and excellent repeatability.
- Simple and quick installation; supports sensorless on-site installation to protect sensors.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the UW series module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Three types of top plate structures (fixed, semi-floating, and floating) eliminate weighing errors caused by thermal expansion and contraction of the tank.
- Support bolts prevent the equipment from tipping over.

Applications:

- High-precision batching for high-value materials in industries such as new energy, pharmaceuticals, food, fine chemicals, and petrochemicals
- Upgrading existing low-precision modules.

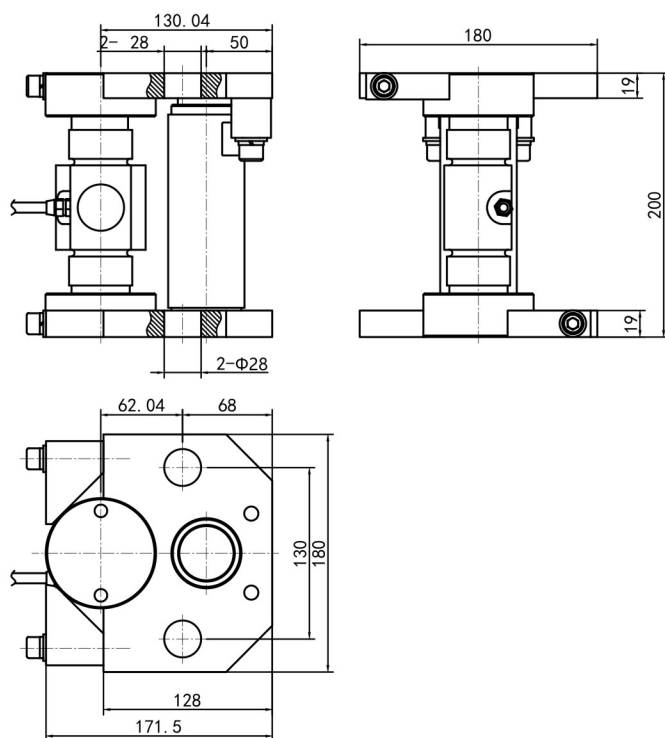
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Optional components include: transition plates (to facilitate module installation)
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

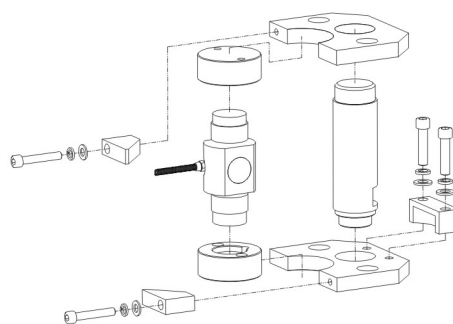
Technical Specifications:

Load cell	BM14G (Stainless steel)	
Rete capacity(E _{max})	t	5, 10, 20, 30, 40, 50
Rated output	mv/v	2.0±0.002
Non-Repeatability	%R.C.	≤0.01
Hysteresis error	%R.C.	≤±0.02
Non-linearity error	%R.C.	≤±0.02
Creep 30 minutes	%R.C.	≤±0.02
Zero output	%R.C.	≤±1
Compensated Temperature Range	°C	-10~+40
Operating Temperature Range	°C	-30~+65
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002
Zero Temperature Coefficient	%R.C./°C	≤±0.002
Input resistance	Ω	1160±10
Output resistance	Ω	350±2
Insulation resistance	MΩ	≥5000 (DC50V)
Recommended excitation resistance	v(DC/AC)	5~15
Maximum excitation resistance	v(DC/AC)	20
Safe load limit	%R.C.	125
Ultimate load limit	%R.C.	300
Protection (IP) Rating	IP68	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized
National Metrology Certificate Number (Domestic)	 2017F331-32	
National Metrology Certificate Class (Domestic)	C3	
National Explosion-proof Certificate Number (Domestic)	GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)	Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)	U _i =15V, I _i =160mA, P _i =0.6W, C _i =8nF, L _i =251μH	
International Metrology Certification	OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

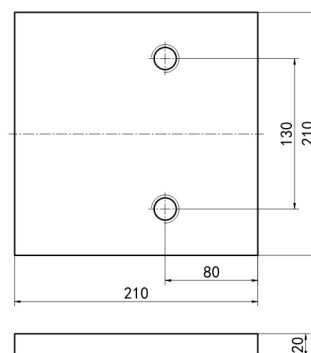
HLG Module and Transition Plate Dimensional Drawing



Module outline dimension drawing

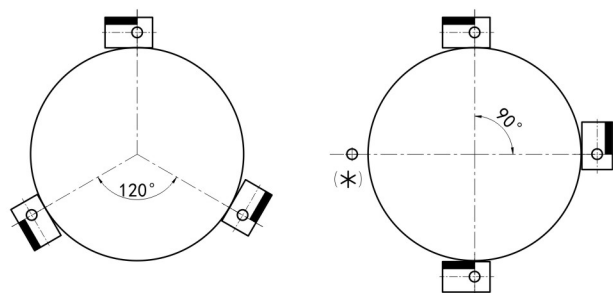


Exploded view

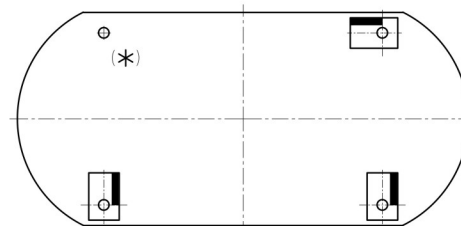
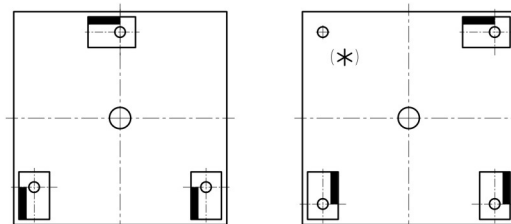


outline dimension drawing of top, bottom and transition plate

HLG Module Installation drawing



Tangential arrangement



Rectangular arrangement

Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

For the installation procedure and precautions, refer to the "HLG Dynamic Weighing Module Installation Guide".

Weighing Module

Model: HLU

Stainless steel weighing Module

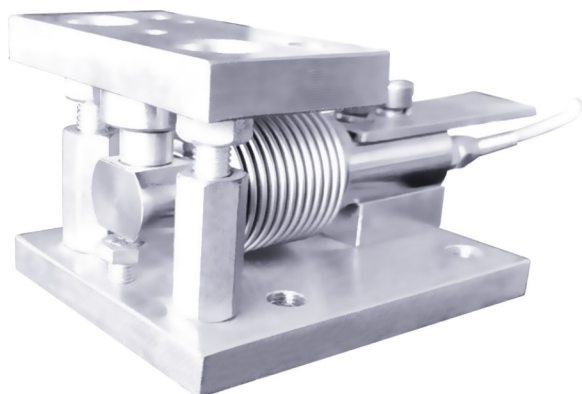
Capacity: 50kg~500kg

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- Self-centering rocker column load cell head design ensures consistent load positioning, delivering high accuracy and excellent repeatability.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the UW series module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Three types of top plate structures (fixed, semi-floating, and floating) eliminate weighing errors caused by thermal expansion and contraction of the tank.
- Support bolts prevent the equipment from tipping over.

Applications:

- High-precision batching for high-value materials in industries such as new energy, pharmaceuticals, food, fine chemicals, and petrochemicals
- Upgrading existing low-precision modules.

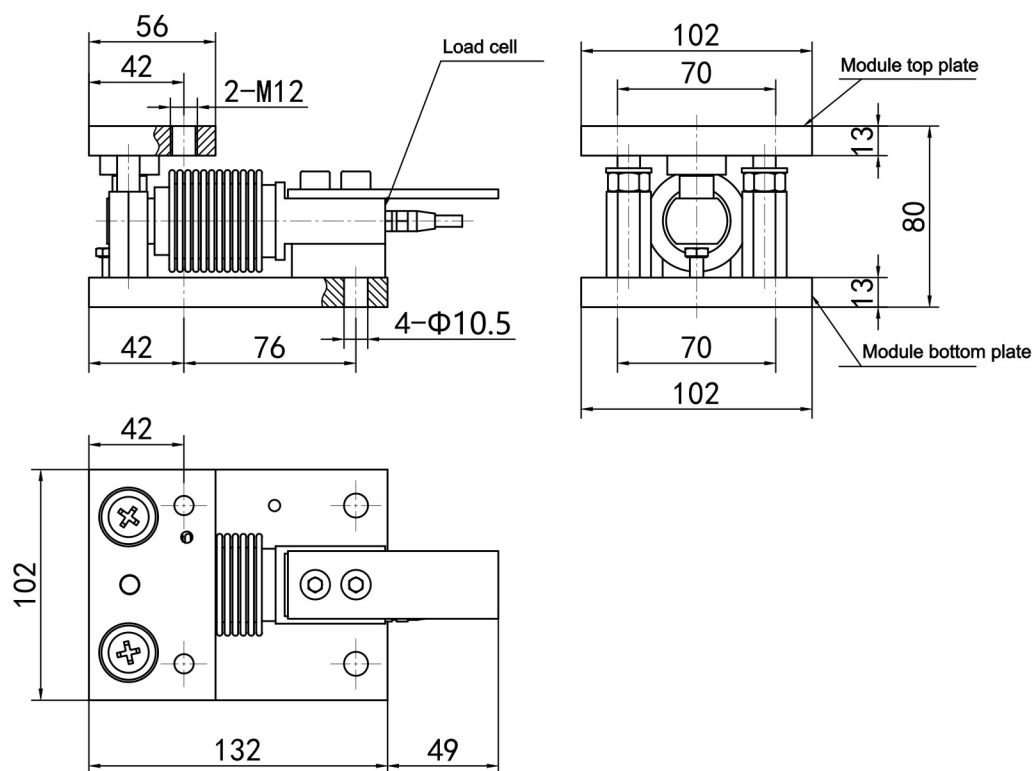
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

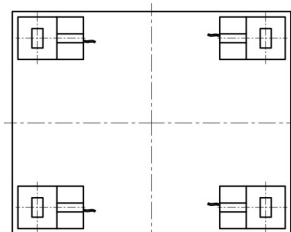
Load cell		HBW (Stainless steel)
Rete capacity(Emax)	kg	50, 100, 200, 300, 500
Rated output	mv/v	2.0±0.1
Non-Repeatability	%R.C.	≤0.01
Hysteresis error	%R.C.	≤±0.02
Non-linearity error	%R.C.	≤±0.02
Creep 30 minutes	%R.C.	≤±0.02
Zero output	%R.C.	≤±1
Compensated Temperature Range	°C	-10~+40
Operating Temperature Range	°C	-20~+65
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002
Zero Temperature Coefficient	%R.C./°C	≤±0.002
Input resistance	Ω	350±2
Output resistance	Ω	350±2
Insulation resistance	MΩ	≥5000 (DC50V)
Recommended excitation resistance	v(DC/AC)	5~15
Maximum excitation resistance	v(DC/AC)	20
Safe load limit	%R.C.	150
Ultimate load limit	%R.C.	300
Protection (IP) Rating		IP68
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized
National Metrology Certificate Number (Domestic)		 2017F331-32
National Metrology Certificate Class (Domestic)		C3
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, Ii=160mA, Pi=0.6W, Ci=8nF, Li=251μH
International Metrology Certification	OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

HLU Module and Transition Plate Dimensional Drawing

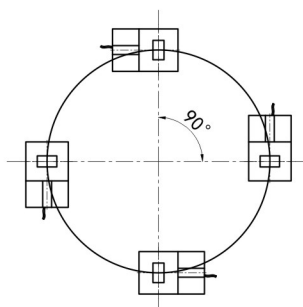


Module outline dimension drawing

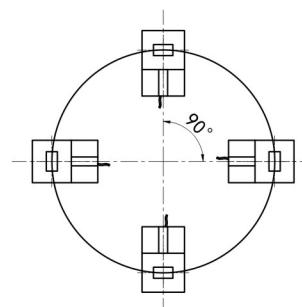
HLU Module Installation drawing



Rectangular arrangement



Tangential arrangement



Radial arrangement

Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

For the installation procedure and precautions, refer to the "HLU Dynamic Weighing Module Installation Guide".

Weighing Module

Model: HL

Stainless steel weighing Module

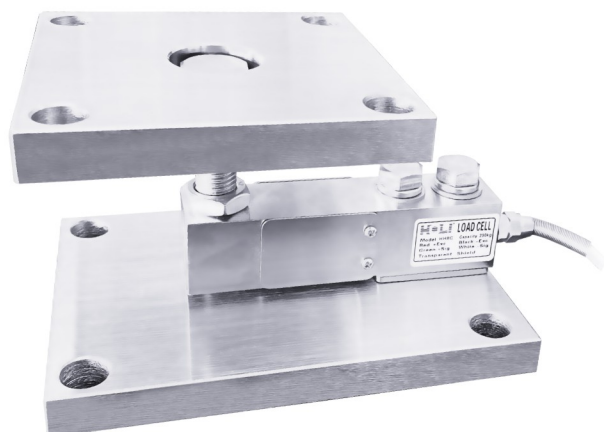
Capacity: 0.5t~10t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- The screw bears the load, resulting in a simple structure.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the BM/HM-8-402 series module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type ,explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Support bolts prevent the equipment from tipping over.

Applications:

- For material batching in low-cost applications.
- Retrofitting weighing functionality to existing tanks without weighing capabilities.

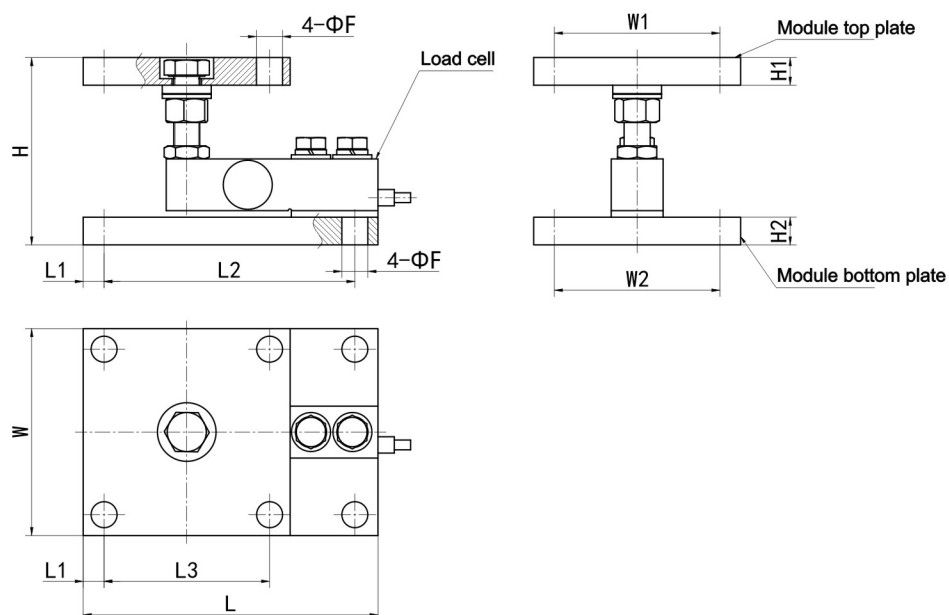
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

Load cell		HH8C (Alloy steel)	HH8C-SS(Stainless steel)
Rete capacity(Emax)	t	0.5~2, 2.5~5, 10	
Rated output	mv/v	2.0±0.1	
Non-Repeatability	%R.C.	≤0.01	
Hysteresis error	%R.C.	≤±0.02	
Non-linearity error	%R.C.	≤±0.02	
Creep 30 minutes	%R.C.	≤±0.02	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002	
Zero Temperature Coefficient	%R.C./°C	≤±0.002	
Input resistance	Ω	350±2	
Output resistance	Ω	350±2	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	150	
Ultimate load limit	%R.C.	300	
Protection (IP) Rating		IP68	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C3	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, li=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

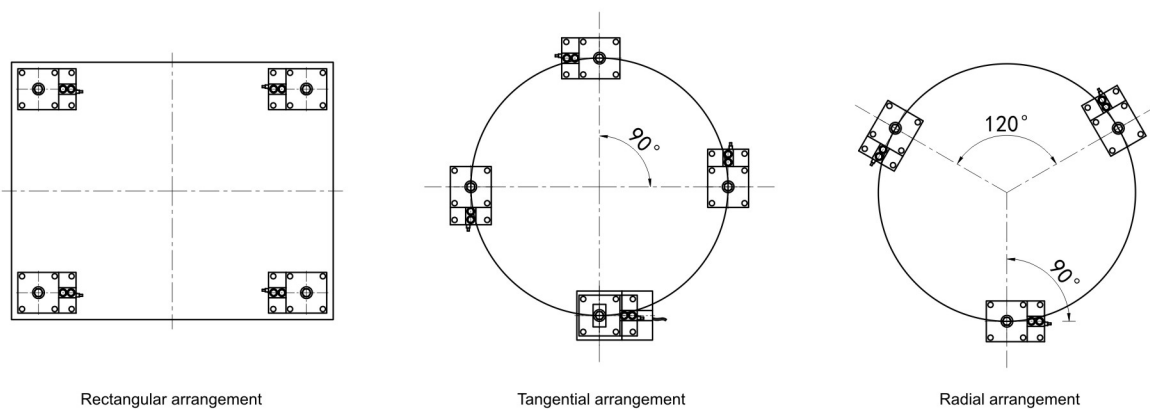
HL Module and Transition Plate Dimensional Drawing



Module outline dimension drawing

Capacity(t)	L	L1	L2	L3	W	W1	W2	H	H1	H2	F
0.5~2	180.9	14.25	152.4	101.6	127	101.6	101.6	100~120	18	18	16
2.5~5	215.9	19.05	177.8	101.6	127	101.6	101.6	130~150	26	26	16
10	285.8	25.4	235	127	177.8	127	127	195~215	38	38	21

HL Module Installation drawing



Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

For the installation procedure and precautions, refer to the "HL Dynamic Weighing Module Installation Guide".

Weighing Module

Model: YP

Stainless steel weighing Module

Capacity: 2t~50t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- The screw bears the load, resulting in a simple structure.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the BM/HM-8-402 series module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type ,explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Support bolts prevent the equipment from tipping over.

Applications:

- For material batching in low-cost applications.
- Retrofitting weighing functionality to existing tanks without weighing capabilities.

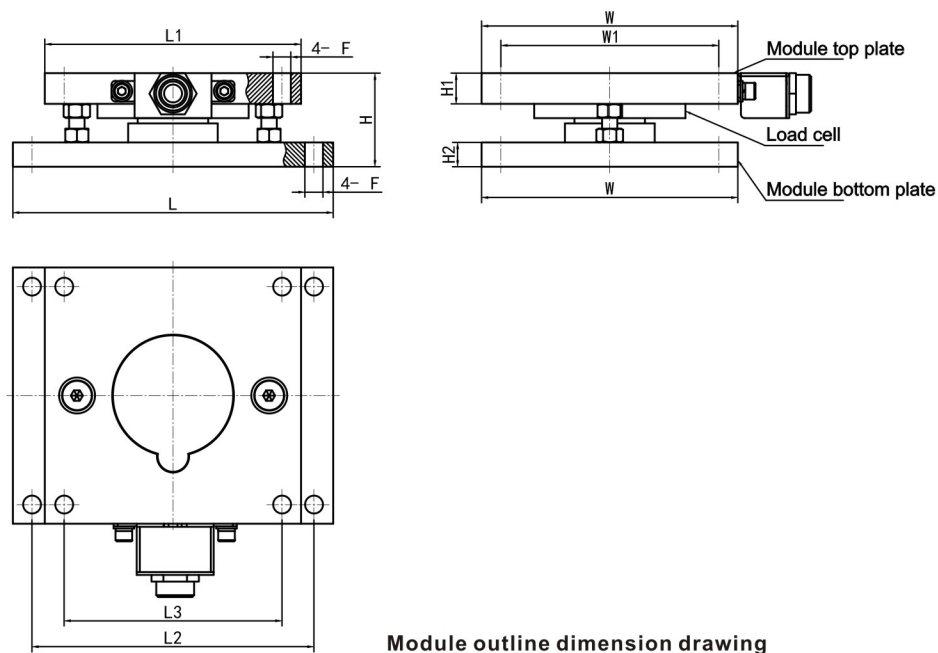
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

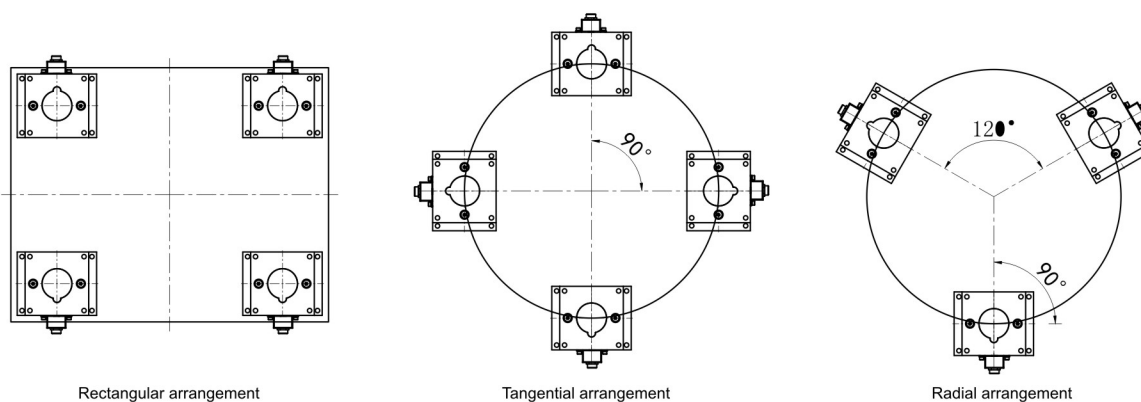
		YP (Alloy steel)	YP-SS(Stainless steel)
Load cell			
Rete capacity(Emax)	t	2, 3, 5, 10, 20, 30, 40, 50	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.03	
Hysteresis error	%R.C.	≤±0.05	
Non-linearity error	%R.C.	≤±0.05	
Creep 30 minutes	%R.C.	≤±0.05	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.005	
Zero Temperature Coefficient	%R.C./°C	≤±0.005	
Input resistance	Ω	700±5	
Output resistance	Ω	700±5	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	120	
Ultimate load limit	%R.C.	200	
Protection (IP) Rating		Ip67	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C2	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, li=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		/	

YP Module and Transition Plate Dimensional Drawing



Capacity(t)	L	L1	L2	L3	W	W1	H	H1	H2	F
2~5	250	200	220	170	200	170	64	17	17	14
10, 20	250	200	220	170	200	170	75.5	24	17	18
30, 50	300	250	260	210	250	210	97.5	24	24	22

YP Module Installation drawing



Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

For the installation procedure and precautions, refer to the "YP Dynamic Weighing Module Installation Guide".

Weighing Module

Model: ZH

Stainless steel weighing Module

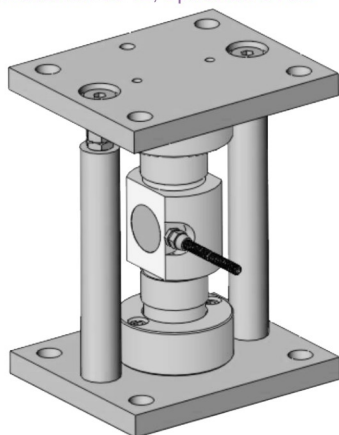
Capacity: 5t~50t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- The screw bears the load, resulting in a simple structure.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the GW/GWA series module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type ,explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Support bolts prevent the equipment from tipping over.

Applications:

- For material batching in low-cost applications.
- Retrofitting weighing functionality to existing tanks without weighing capabilities.

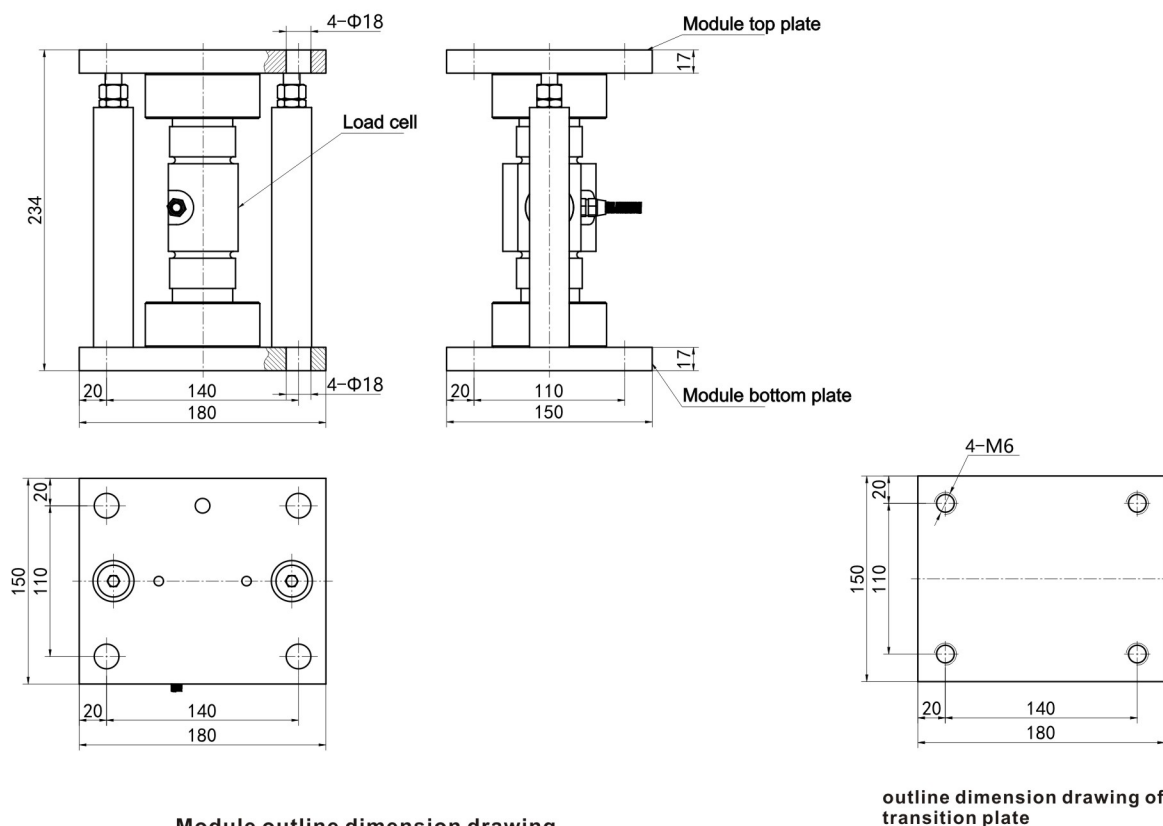
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

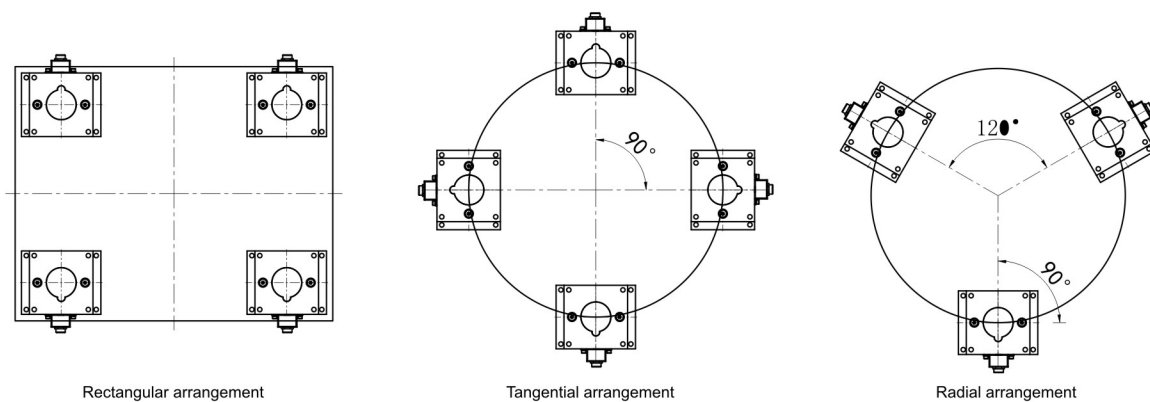
Technical Specifications:

Load cell		Column Load Cell	
Rete capacity(Emax)	t	5, 10, 20, 30, 40, 50	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.03	
Hysteresis error	%R.C.	≤±0.05	
Non-linearity error	%R.C.	≤±0.05	
Creep 30 minutes	%R.C.	≤±0.05	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.005	
Zero Temperature Coefficient	%R.C./°C	≤±0.005	
Input resistance	Ω	700±5	
Output resistance	Ω	700±5	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	120	
Ultimate load limit	%R.C.	200	
Protection (IP) Rating		Ip67	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		PA 2017F331-32	
National Metrology Certificate Class (Domestic)		C2	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, li=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		/	

ZH Module and Transition Plate Dimensional Drawing



ZH Module Installation drawing



Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

For the installation procedure and precautions, refer to the "ZH Dynamic Weighing Module Installation Guide".

Weighing Module

Model: QS

Stainless steel weighing Module

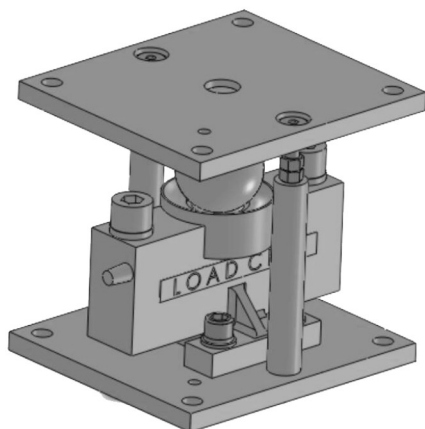
Capacity: 5t~40t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- The screw bears the load, resulting in a simple structure.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Support bolts prevent the equipment from tipping over.

Applications:

- For material batching in low-cost applications.
- Retrofitting weighing functionality to existing tanks without weighing capabilities.

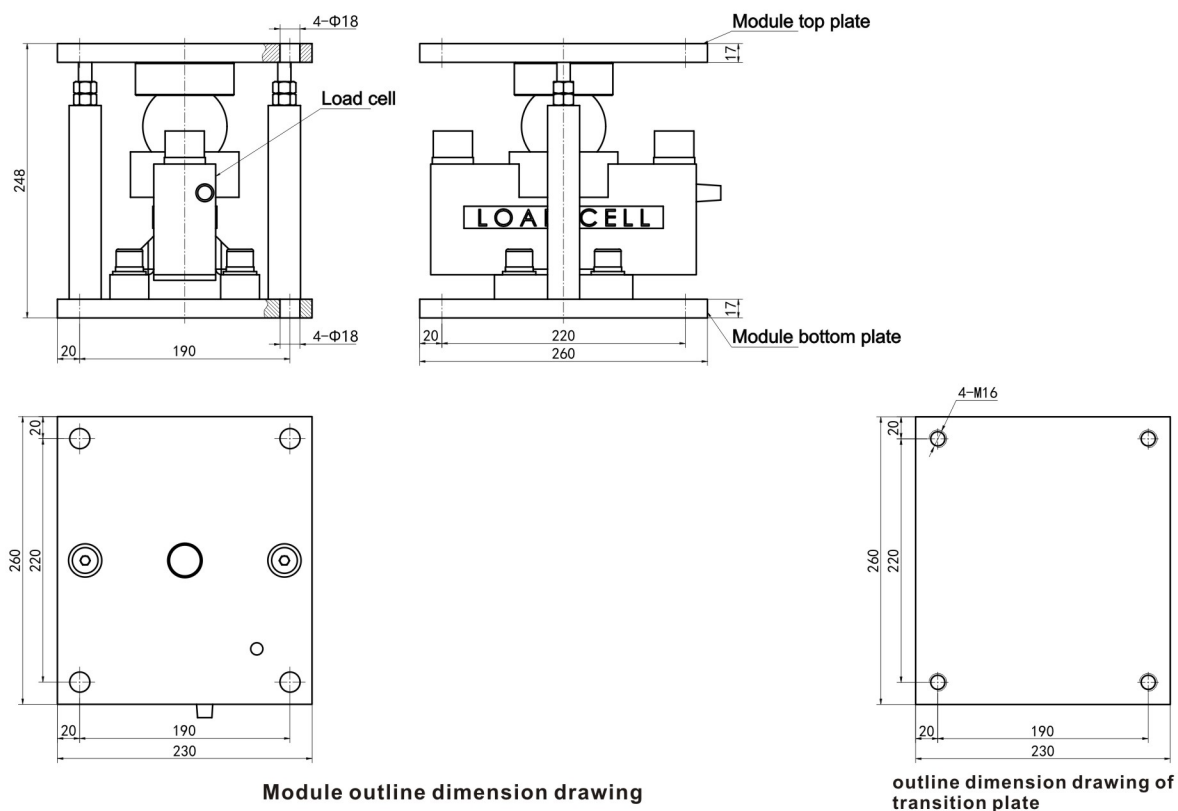
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

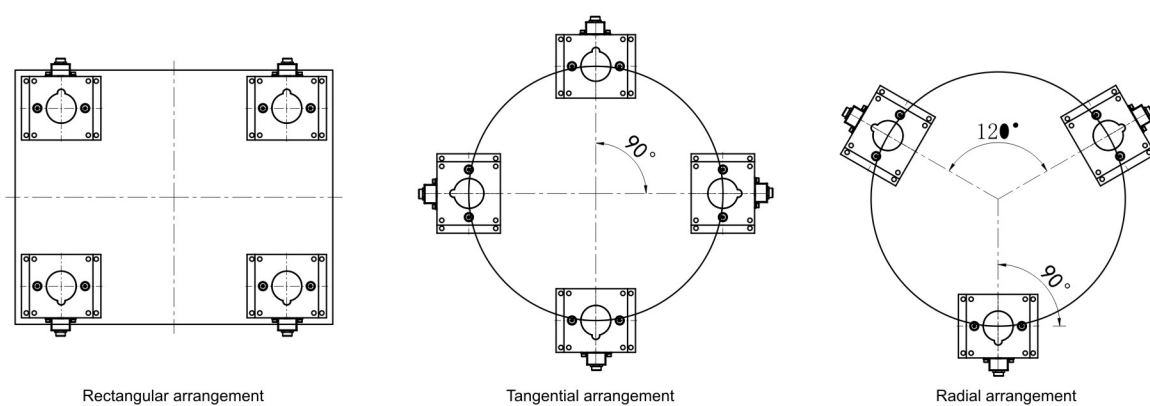
Technical Specifications:

Load cell		Bridge-Type Load Cell	
Rete capacity(E _{max})	t	5, 10, 20, 30, 40	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.03	
Hysteresis error	%R.C.	≤±0.05	
Non-linearity error	%R.C.	≤±0.05	
Creep 30 minutes	%R.C.	≤±0.05	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.005	
Zero Temperature Coefficient	%R.C./°C	≤±0.005	
Input resistance	Ω	700±5	
Output resistance	Ω	700±5	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	120	
Ultimate load limit	%R.C.	200	
Protection (IP) Rating		Ip67	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C2	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		U _i =15V, I _i =160mA, P _i =0.6W, C _i =8nF, L _i =251μH	
International Metrology Certification		/	

QS Module and Transition Plate Dimensional Drawing



QS Module Installation drawing



Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

For the installation procedure and precautions, refer to the "QS Dynamic Weighing Module Installation Guide".

Weighing Module

Model: YB

Stainless steel weighing Module

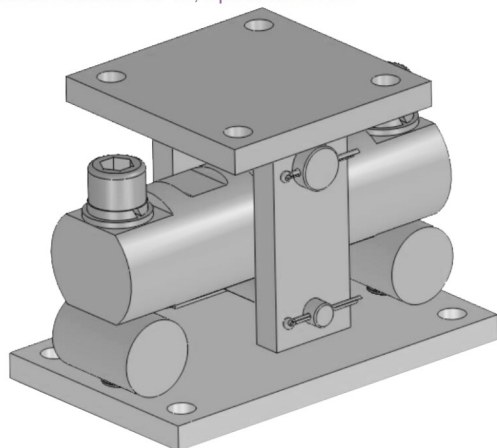
Capacity: 5t~40t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- The screw bears the load, resulting in a simple structure.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Support bolts prevent the equipment from tipping over.

Applications:

- For material batching in low-cost applications.
- Retrofitting weighing functionality to existing tanks without weighing capabilities.

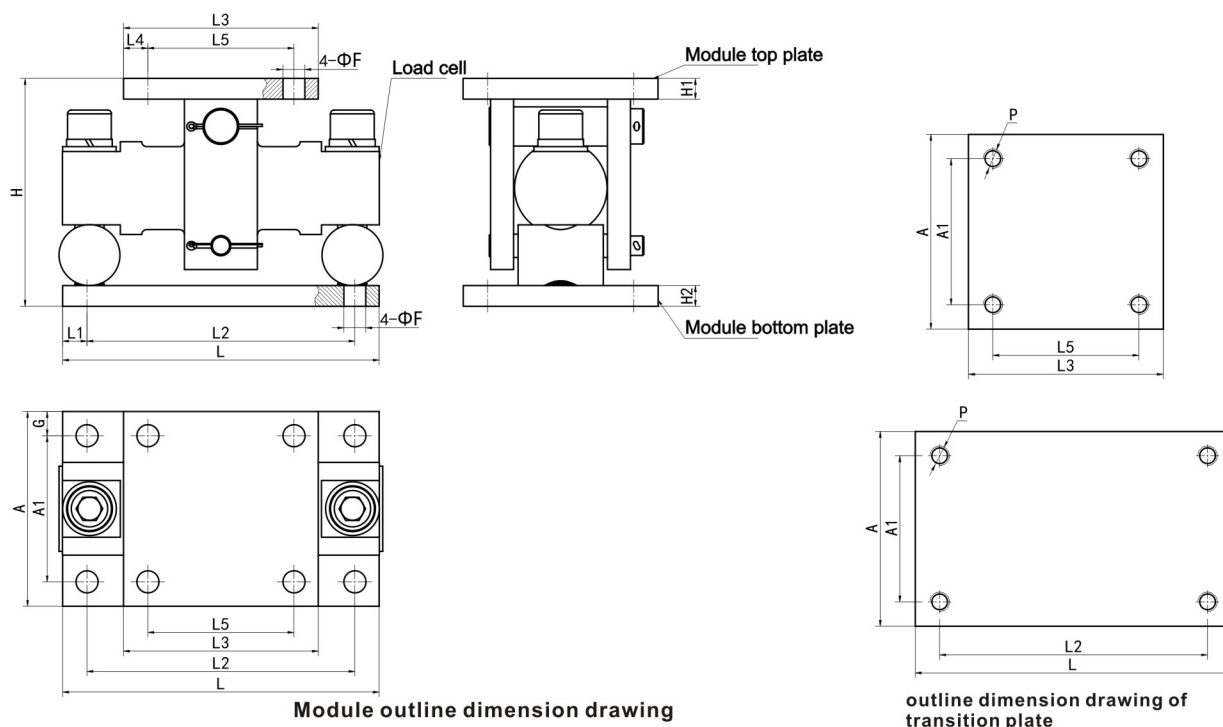
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

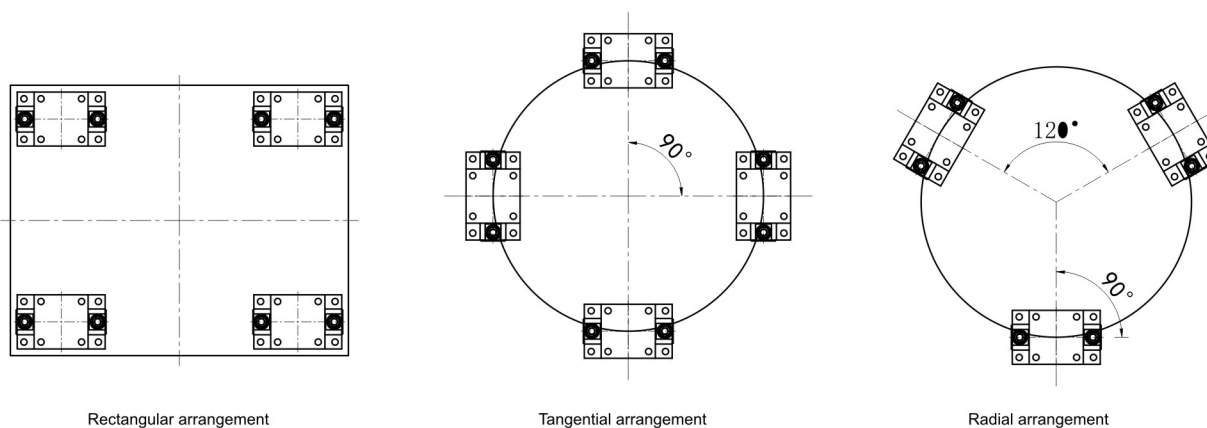
Load cell		Fish-back Load Cell	
Rete capacity(Emax)	t	5, 10, 20, 30, 40	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.03	
Hysteresis error	%R.C.	≤±0.05	
Non-linearity error	%R.C.	≤±0.05	
Creep 30 minutes	%R.C.	≤±0.05	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.005	
Zero Temperature Coefficient	%R.C./°C	≤±0.005	
Input resistance	Ω	700±5	
Output resistance	Ω	700±5	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	120	
Ultimate load limit	%R.C.	200	
Protection (IP) Rating		Ip67	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C2	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, li=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		/	

YB Module and Transition Plate Dimensional Drawing



量程(t)	A	A1	L	L1	L2	L3	L4	L5	H	H1	H2	G	P
5~10	130	90	220	20	180	130	20	90	139.2	13	17	20	M16
20~40	160	116	270	22	226	160	22	116	194.2	17	24	22	M20

YB Module Installation drawing



Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

For the installation procedure and precautions, refer to the "YB Dynamic Weighing Module Installation Guide".

Weighing Module

Model: BW

Stainless steel weighing Module

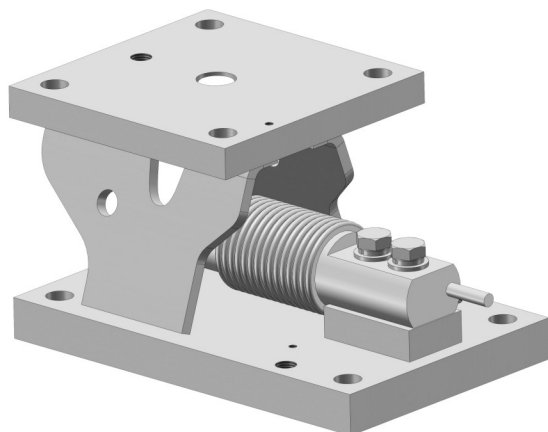
Capacity: 50kg~500kg

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- The screw bears the load, resulting in a simple structure.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Support bolts prevent the equipment from tipping over.

Applications:

- For material batching in low-cost applications.
- Retrofitting weighing functionality to existing tanks without weighing capabilities.

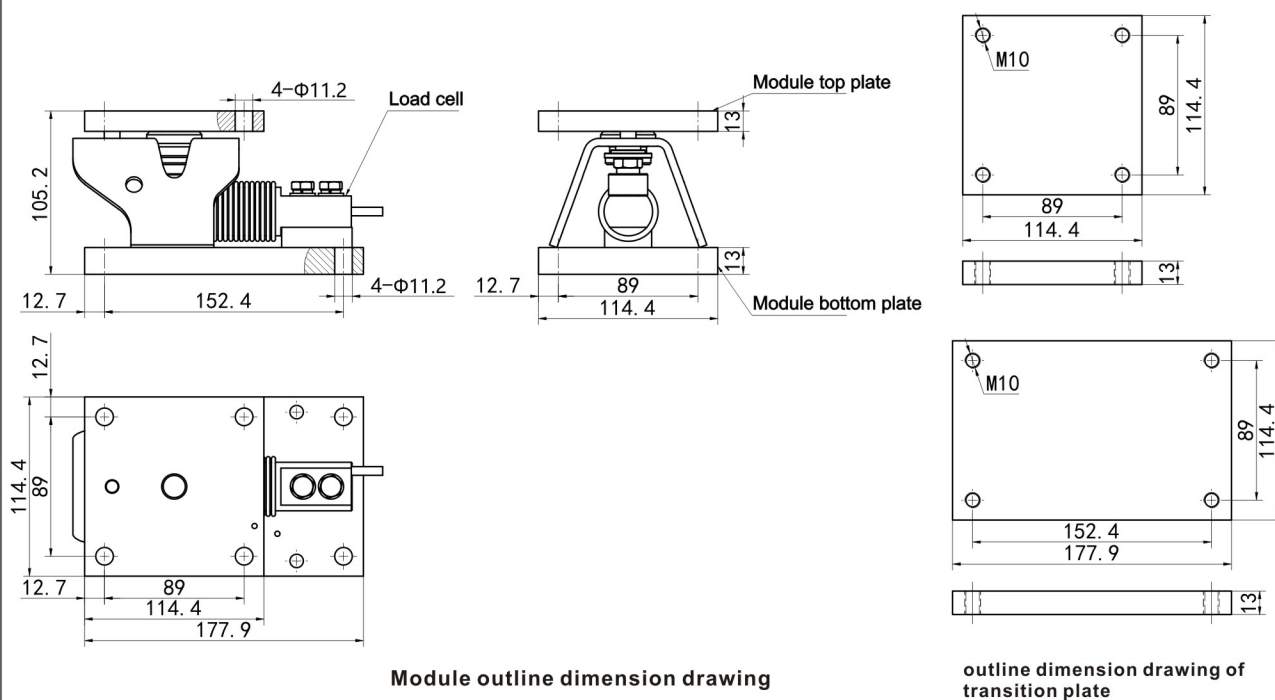
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

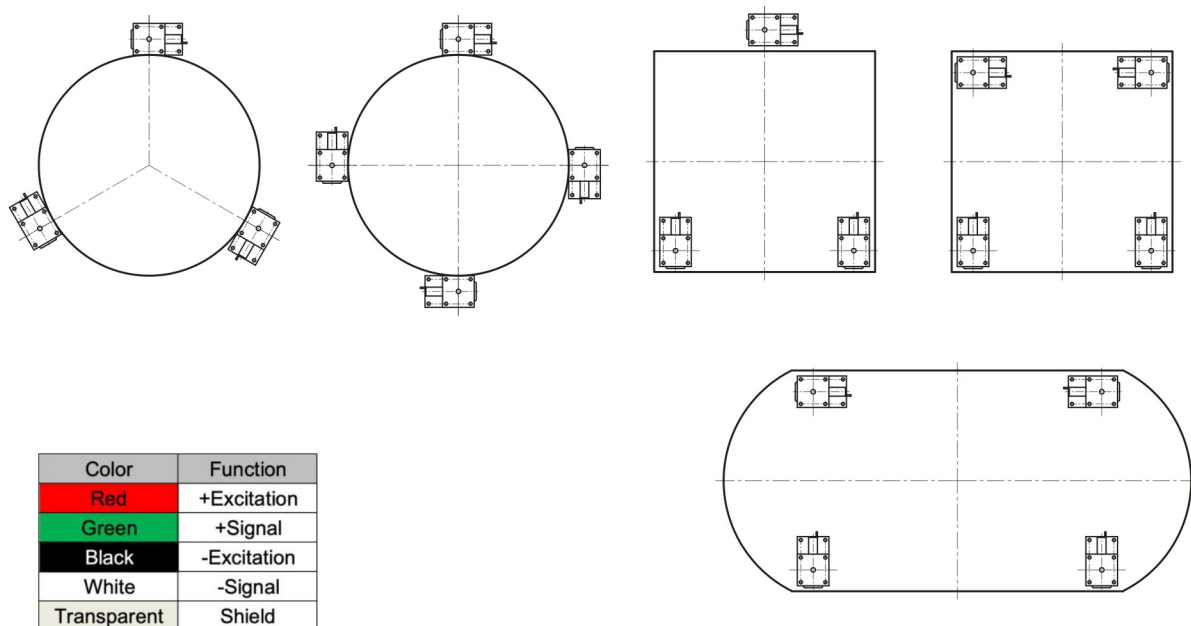
Technical Specifications:

Load cell		HBW (Stainless steel)
Rete capacity(Emax)	kg	50, 100, 200, 300, 500
Rated output	mv/v	2.0±0.1
Non-Repeatability	%R.C.	≤0.01
Hysteresis error	%R.C.	≤±0.02
Non-linearity error	%R.C.	≤±0.02
Creep 30 minutes	%R.C.	≤±0.02
Zero output	%R.C.	≤±1
Compensated Temperature Range	°C	-10~+40
Operating Temperature Range	°C	-20~+65
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002
Zero Temperature Coefficient	%R.C./°C	≤±0.002
Input resistance	Ω	350±2
Output resistance	Ω	350±2
Insulation resistance	MΩ	≥5000 (DC50V)
Recommended excitation resistance	v(DC/AC)	5~15
Maximum excitation resistance	v(DC/AC)	20
Safe load limit	%R.C.	150
Ultimate load limit	%R.C.	300
Protection (IP) Rating		IP68
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized
National Metrology Certificate Number (Domestic)		 2017F331-32
National Metrology Certificate Class (Domestic)		C3
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, li=160mA, Pi=0.6W, Ci=8nF, Li=251μH
International Metrology Certification	OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

BW Module and Transition Plate Dimensional Drawing



BW Module Installation drawing



Notes:

For the installation procedure and precautions, refer to the "BW Dynamic Weighing Module Installation Guide".

Weighing Module

Model: CG

Stainless steel weighing Module

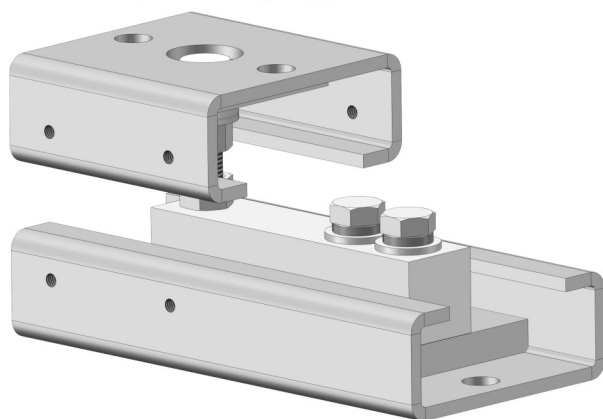
Capacity: 0.1t~5t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- The screw bears the load, resulting in a simple structure.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Support bolts prevent the equipment from tipping over.

Applications:

- For material batching in low-cost applications.
- Retrofitting weighing functionality to existing tanks without weighing capabilities.

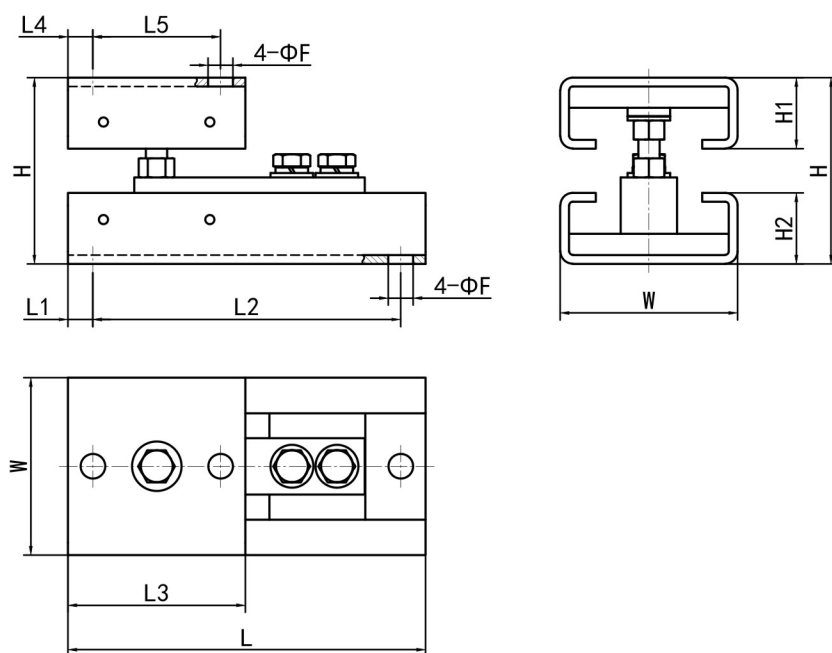
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

Load cell		AS130 (Alloy steel)	SS130 (Stainless steel)
Rete capacity(E _{max})	t	0.1, 2, 3, 5	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.01	
Hysteresis error	%R.C.	≤±0.02	
Non-linearity error	%R.C.	≤±0.02	
Creep 30 minutes	%R.C.	≤±0.02	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002	
Zero Temperature Coefficient	%R.C./°C	≤±0.002	
Input resistance	Ω	350±2	
Output resistance	Ω	350±2	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	150	
Ultimate load limit	%R.C.	300	
Protection (IP) Rating		IP68	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C3	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		U _i =15V, I _i =160mA, P _i =0.6W, C _i =8nF, L _i =251μH	
International Metrology Certification		OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

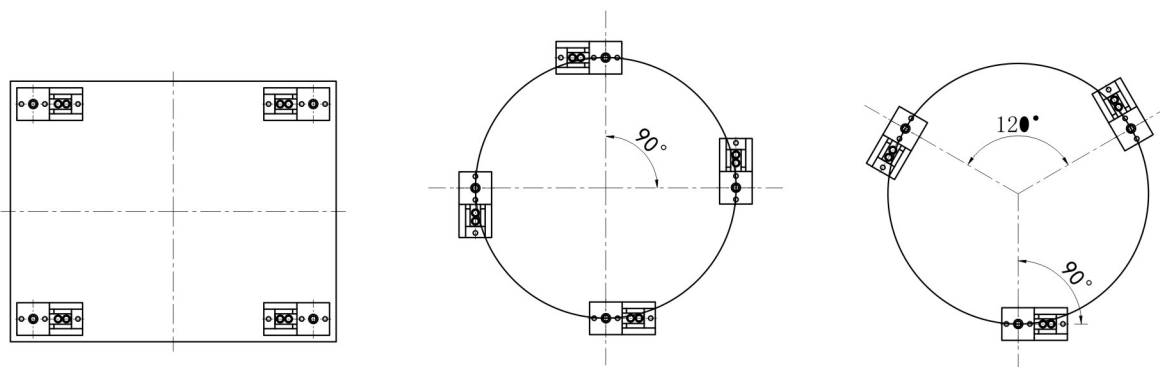
CG Module and Transition Plate Dimensional Drawing



Module outline dimension drawing

Capacity(t)	L	L1	L2	L3	L4	L5	H	H1	H2	W	F
0.1~3	201.6	14	173.6	100	14	72	105	40	40	100	14
5	261.4	17	227.4	132	17	98	135	40	40	100	18

CG Module Installation drawing



Rectangular arrangement

Tangential arrangement

Radial arrangement

Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

For the installation procedure and precautions, refer to the "CG Dynamic Weighing Module Installation Guide".

Weighing Module

Model: CG⁺

Stainless steel weighing Module

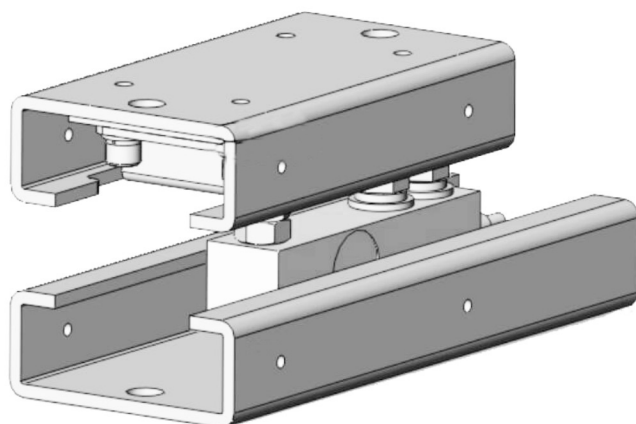
Capacity: 0.1t~3t

Alloy steel: Standard zinc plating; optional chemical nickel plating

Stainless steel: Standard polishing and wire drawing;

optional chemical passivation/electropolishing.

Standard material: 304L; optional: 316L



Performance Features:

- Adopts imported alloy steel and stainless steel materials, with continuous laser welding + PU glue sealing + silicone rubber seal.
- The sensor protection class is IP68, suitable for use in various harsh environments.
- Load-bearing screw, resulting in a simple structure.
- Simple and quick installation.
- Easy maintenance, reduces downtime.
- Unique structure for easy installation on various tanks and vessels.
- It shares identical mounting dimensions with the module from other major brands, ensuring full compatibility for seamless design substitution.
- Optional explosion-proof type, explosion-proof grade Ex ia II C T4 Ga, Ex iaD 20 T135
- Support bolts prevent the equipment from tipping over.

Applications:

- For material batching in low-cost applications.
- Retrofitting weighing functionality to existing tanks without weighing capabilities.

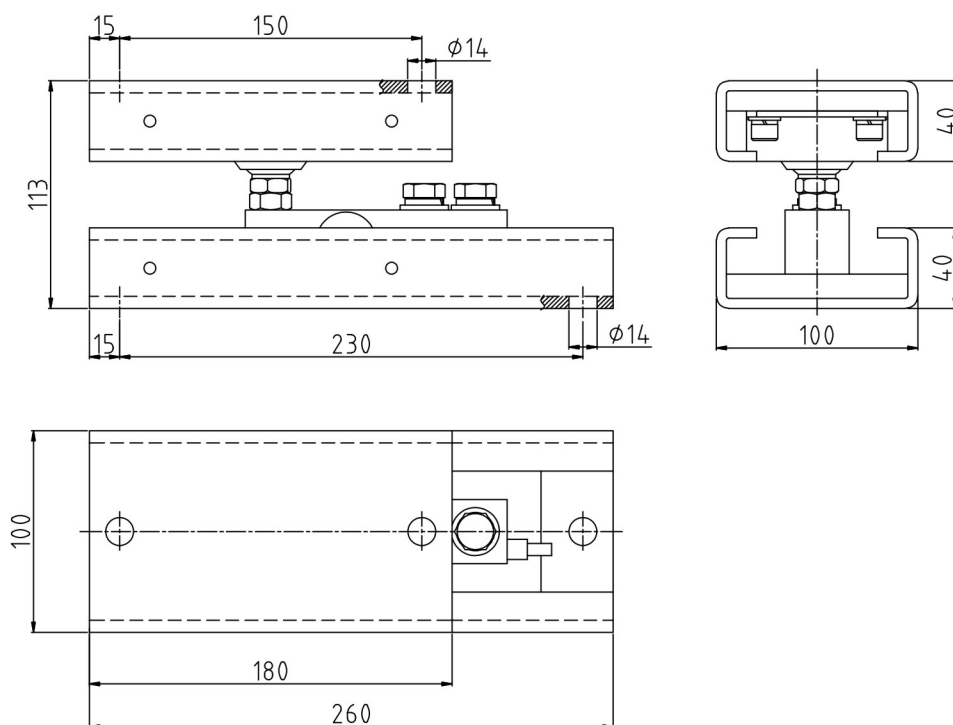
System Configuration:

- Standard components include: weighing modules, junction boxes, indicators, and signal cables
- Modules are available with four sensor accuracy classes C3, C4, C5, and C6 (each supported by official OIML international certification)

Technical Specifications:

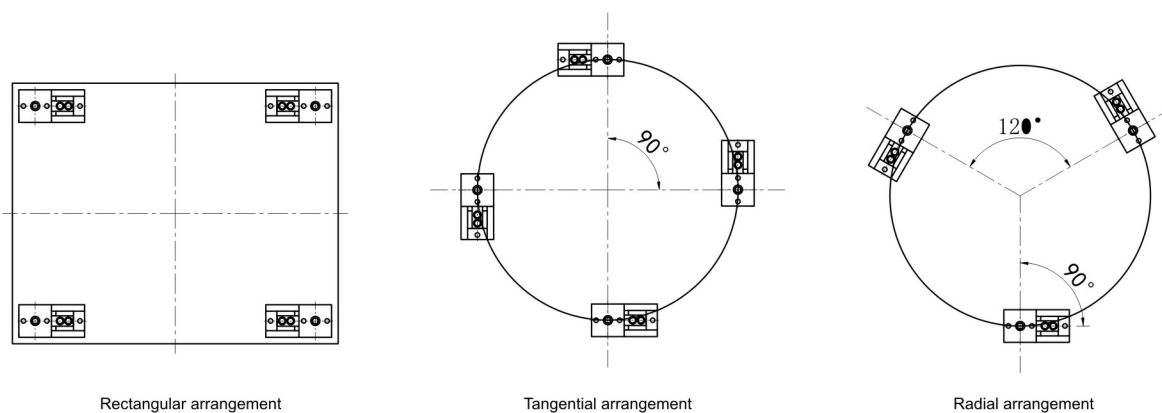
Load cell		AS130 (Alloy steel)	SS130 (Stainless steel)
Rete capacity(Emax)	t	0.1, 2, 3	
Rated output	mv/v	2.0±0.002	2.0±0.005
Non-Repeatability	%R.C.	≤0.01	
Hysteresis error	%R.C.	≤±0.02	
Non-linearity error	%R.C.	≤±0.02	
Creep 30 minutes	%R.C.	≤±0.02	
Zero output	%R.C.	≤±1	
Compensated Temperature Range	°C	-10~+40	
Operating Temperature Range	°C	-20~+65	
Sensitivity Temperature Coefficient	%R.C./°C	≤±0.002	
Zero Temperature Coefficient	%R.C./°C	≤±0.002	
Input resistance	Ω	350±2	
Output resistance	Ω	350±2	
Insulation resistance	MΩ	≥5000 (DC50V)	
Recommended excitation resistance	v(DC/AC)	5~15	
Maximum excitation resistance	v(DC/AC)	20	
Safe load limit	%R.C.	150	
Ultimate load limit	%R.C.	300	
Protection (IP) Rating		IP68	
Cable Length	m	2.5m (0.1~3t) , 5m (5t) , 8m (10t) , Customized	
National Metrology Certificate Number (Domestic)		 2017F331-32	
National Metrology Certificate Class (Domestic)		C3	
National Explosion-proof Certificate Number (Domestic)		GYB19.2306X	
National Explosion-proof Certificate Class (Domestic)		Ex ia II C T4 Ga, Ex iaD 20 T135	
National Explosion-proof Certificate Parameters (Domestic)		Ui=15V, li=160mA, Pi=0.6W, Ci=8nF, Li=251μH	
International Metrology Certification		OIML C6	NTEP n _{Max} :6000 (0.5~2.5t)

CG⁺ Module and Transition Plate Dimensional Drawing



Module outline dimension drawing

CG Module Installation drawing



Color	Function
Red	+Excitation
Green	+Signal
Black	-Excitation
White	-Signal
Transparent	Shield

Notes:

For the installation procedure and precautions, refer to the "CG⁺ Dynamic Weighing Module Installation Guide".