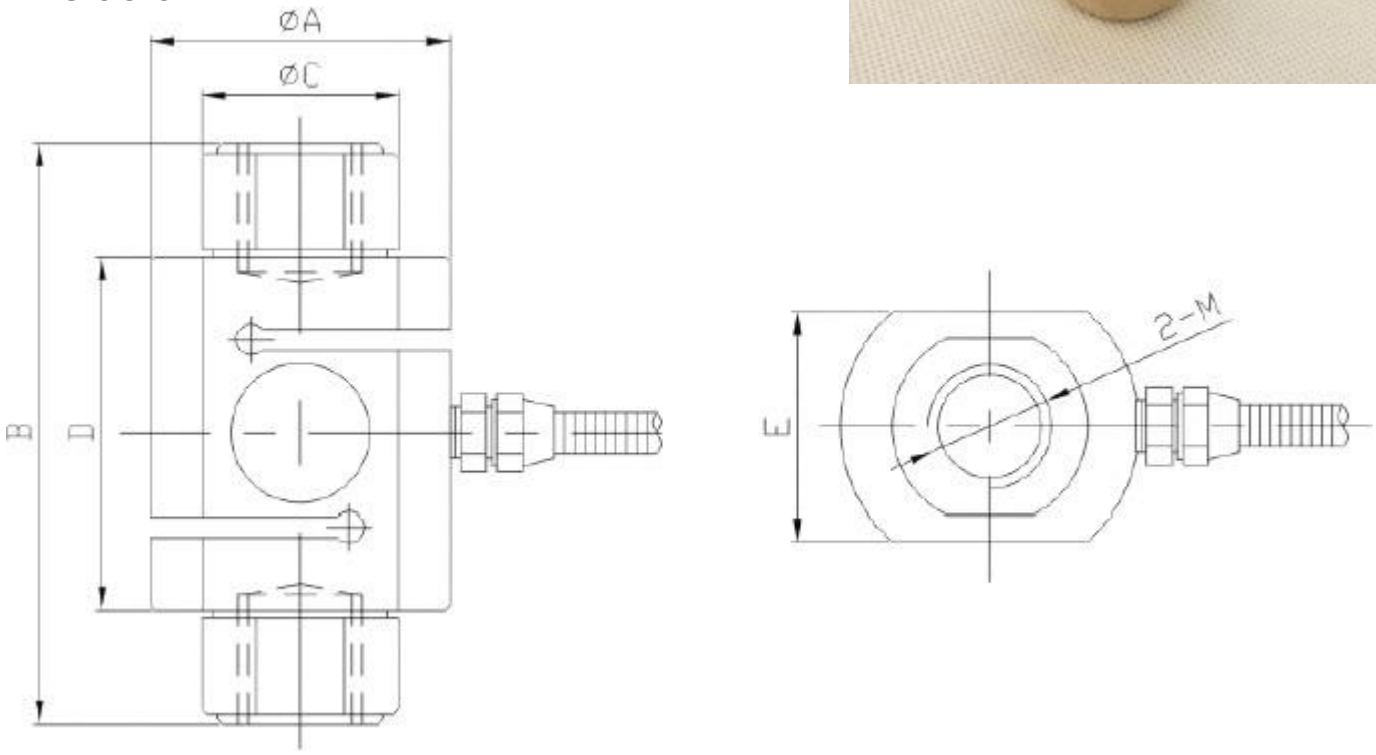
DYLY-101 S type Load Cell

Characteristics & Usage:

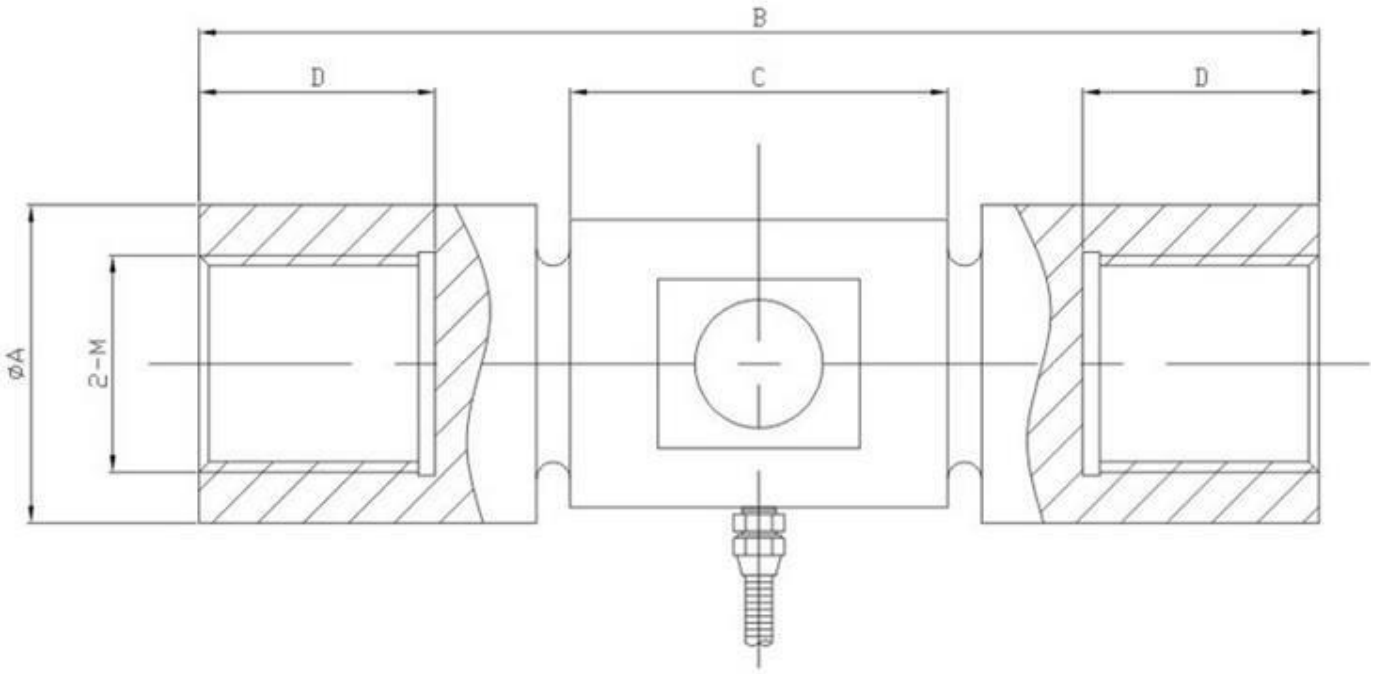
S type load cell, tension
Good output symmetry, compact
structure, simple to install, full
range of capacities.
Suitable for batch weigher , crane scale,
hopper scale and various special scales, process control devices.

Dimensions:



Capacity & measurement:

Capacity	ΦA	B	ΦC	D	E	M
0.2-0.7t	44	88	28	56	26	M16×1.5
1-5t	58	112	38	68	44	M24×1.5
10t	84	160	60	103	58	M36×4



Technical Parameters:

量程	ΦA	B	C	2-M	D
20t	60	180	64	M36×4	40
30t	76	213	73	M45×4.5	45
50t	94	332	112	M64×3	70
100t	112	367	130	M76×3	80

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.05
Nonlinear	≤%F·S	±0.05	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.05	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.03	Output Resistance	3	350±5Ω
Creep	≤%F·S/3min	±0.05	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.05	Excitation voltage	V	10V-15V

Wiring

Input： Red（+） Black（-）

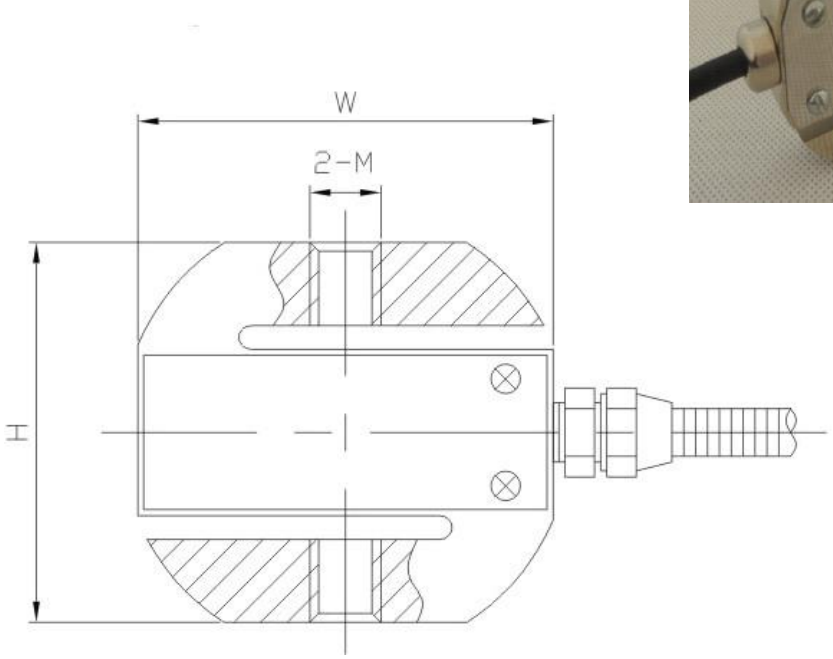
Output：Green（+） White（-）

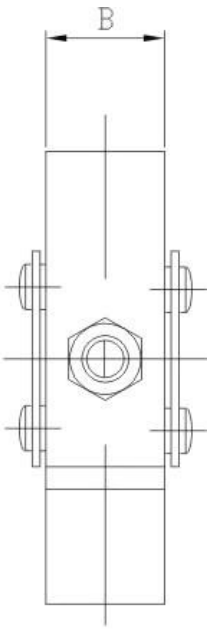
DYLY-102 S type Load Cell

Characteristics & Usage:

Using S-beam structure, tension and compression can be used. measuring
High accuracy, good stability, good output symmetry. widely
Used in belt scales, hopper scales, mechanical and electrical integration scales, Wan
Materials testing machines, crane scales and various engineering devices
Force measurement systems.

Dimensions:





Capacity & measurement:

Capacity	B	W	H	M
1-30kg	12	62	58	M8×1.25
50-500kg	20	70	64	M12×1.75

Technical Parameter:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	1.0-3.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.03
Nonlinear	≤%F·S	±0.03	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.03	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.03	Output Resistance	3	350±5Ω
Creep	≤%F·S/3min	±0.05	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.03	Excitation voltage	V	10V-15V

Wiring

Input： Red（+） Black（-）

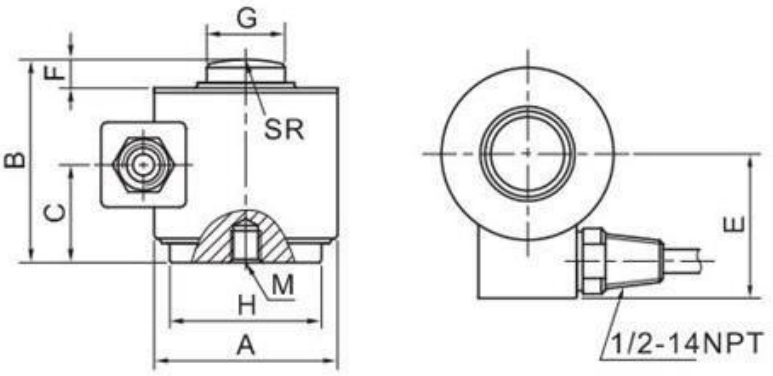
Output：Green（+） White（-）

DYZ-014 Cylinder Load Cell

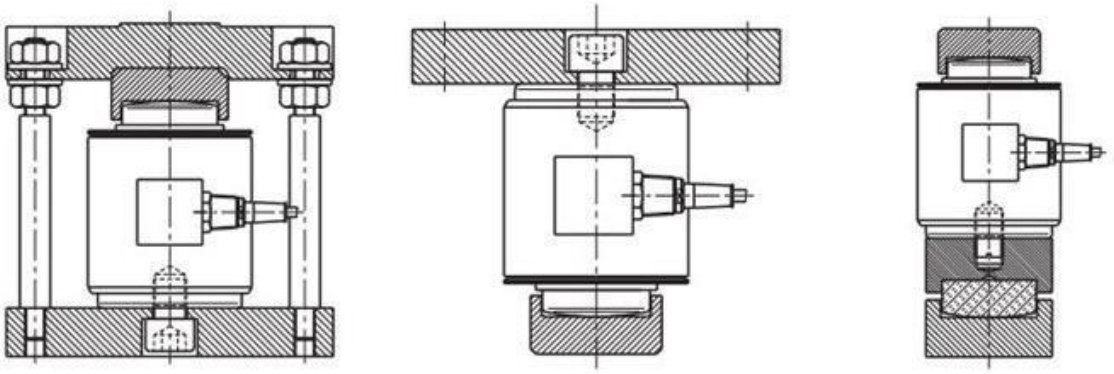
Characteristics & Usage:

This model has the Characteristics of large measuring range and sealed structure.
It has the advantages of good quality, stable and reliable performance, convenient installation, etc..
Widely used in various industries of electronic truck scale, rail scale, platform scales, hopper scales and other weighing, measuring industrial automation measurement and control system.

Dimensions:



Technical Parameters:



量程 Capacity		尺寸 Size mm								M		
t	Klb	A	B	C	E	F	G	H	SR	inch	mm	DP
5-20	10-50	75.0	83.0	32.5	64.0	10.0	31.8	62.0	125.0	1/2-20	M12X1.75	13.0
45	100	100.6	127.0	54.6	86.0	14.0	59.0	88.6	152.0	3/4-16	M20X1.5	18.0
90-180	200-400	150.6	184.5	92.0	108.0	26.0	80.0	134.4	400.0	3/4-16	M20X1.5	25.0
225	500	164.0	229.0	92.0	108.0	26.0	93.7	148.0	400.0	3/4-16	M20X1.5	25.0
450	1000	177.0	304.8	117.0	115.0	26.0	139.7	165.1	1143.0	3/4-16	M20X1.5	32.0

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	1.0-1.5	Protect grade		IP67
Nonlinear	≤%F·S	±0.3%	Operating temperature range	℃	-30℃～+80℃
Hysteresis	≤%F·S	±0.3%	Input resistance	Ω	750±20Ω
Repeatability	≤%F·S	±0.15%	Output Resistance	Ω	700±5Ω
Creep	≤%F·S/3min	±0.3%	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.03	Excitation voltage	V	10V-15V

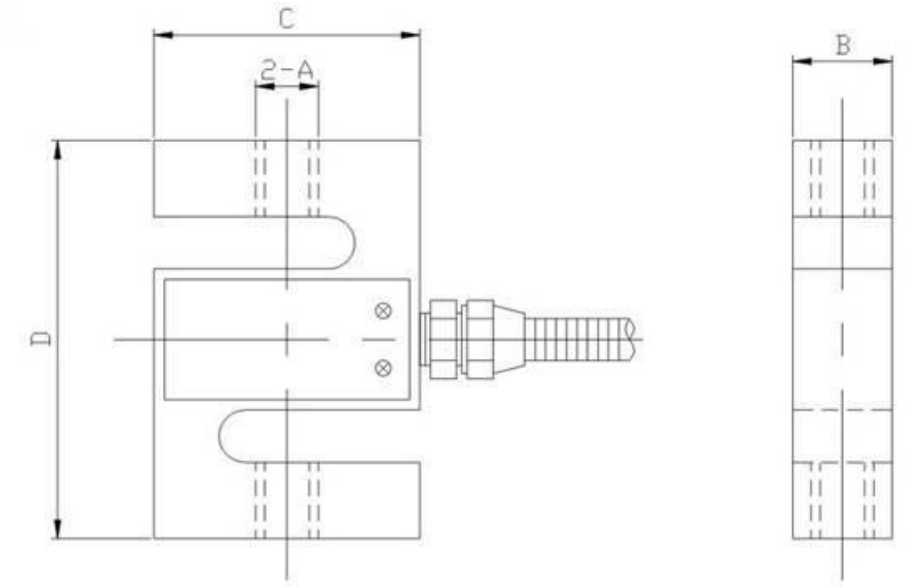
DYLY-103 tension and pressure sensor

Characteristics & Usage:

Using S-type structure, tension and compression can be used. High accuracy, good stability, good output symmetry.

Widely used in belt scales, hopper scales, mechanical and electrical integration scales, universal testing machine, hook scales and various engineering devices force measurement systems

Dimensions:



量程

量程 Range	A	B	C	D
5-50kg	M8×1.25	12.7	50.8	63.5
100-500kg	M12×1.75	19	50.8	76.2
1-1.5t	M16×2	25.4	50.8	76.2
2-5t	M18×1.5	25.4	76.2	108

Technical Parameters:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.03
Nonlinear	≤%F·S	±0.03	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.03	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.03	Output Resistance	Ω	350±5Ω
Creep	≤%F·S/30min	±0.03	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(50VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.03	Excitation voltage	V	10V-15V

Wiring:

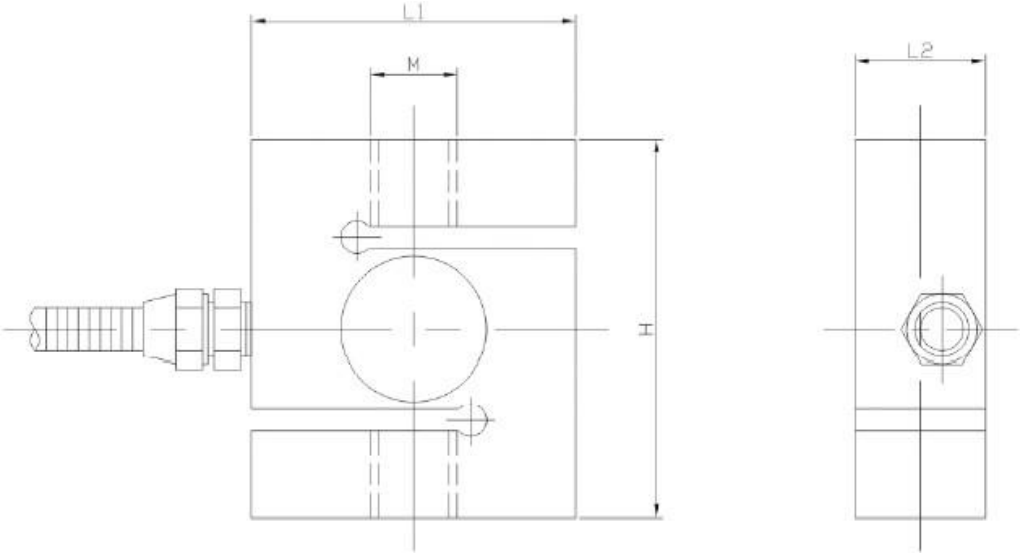
Red(+E) Black(-E) Green(+S) White(-S)

DYLY-104 S type Load Cell

Characteristics & Usage:

Using S-beam structure, tension and compression can be used. measuring
High accuracy, good stability, good output symmetry. widely
Used in belt scales, hopper scales, mechanical and electrical integration scales, Wan
Materials testing machines, crane scales and various engineering devices
Force measurement systems.

Dimensions:



Capacity & measurement:

Capacity	2-M	H	L2	L1
200-500kg	M12×1.75	70	25	60
700kg-1t	M16×2	70	25	60
2t	M16×2	70	25	64
3t-5t	M18×1.5	94	35	86

Technical Parameters:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.03
Nonlinear	≤%F·S	±0.03	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.03	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.03	Output Resistance	3	350±5Ω
Creep	≤%F·S/3min	±0.05	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.03	Excitation voltage	V	5V-15V

Wiring

Input： Red（+） Black（-）

Output：Green（+） White（-）

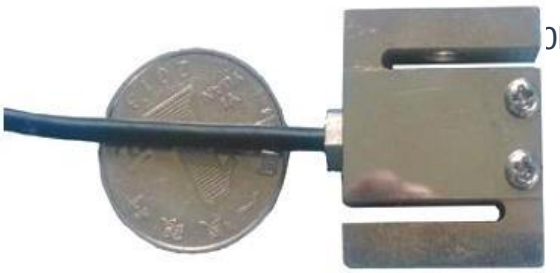
Tension : White (+) Green (-)

DYLY-106 S type Load Cell

Characteristics & Usage:

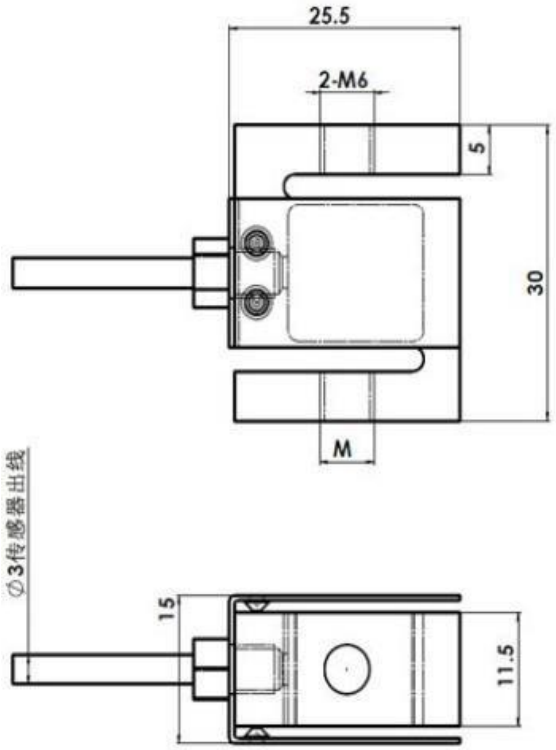
Comprehensive, compact structure, high precision, good stability for a long time
Suitable for weighing control, mechanical and electrical transformation of mechanical equilibrium

Capacity:



)kg,

Dimensions:



Technical Parameters:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.05
Nonlinear	≤%F·S	±0.05	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.05	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.03	Output Resistance	3	350±5Ω
Creep	≤%F·S/30min	±0.05	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.05	Excitation voltage	V	10V-15V

Wiring

Input： Red（+） Black（-）

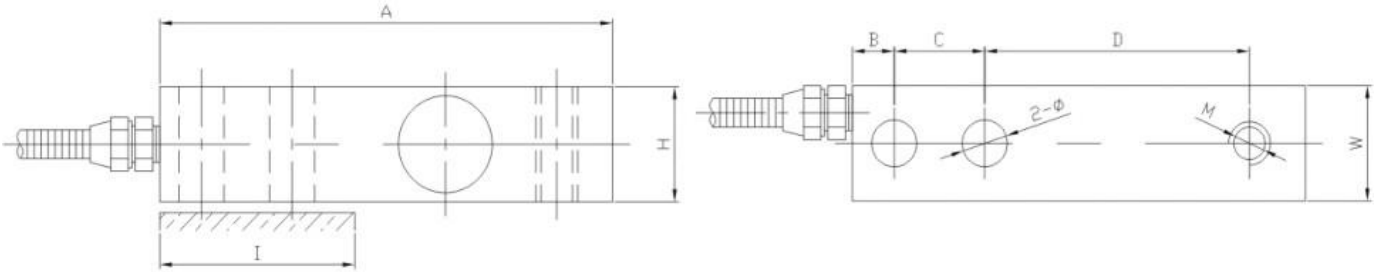
Output：Green（+） White（-）

DYX-301 Single Shear Beam Load Cell

Characteristics & Usage:

The sensor elastic body with shear or curved cantilever beam structure, one end fixed, a section of force, low profile, high structural strength, can be used for a variety of tensile force and pressure load and measurement. It is dust seal, wide range, high precision, stable and reliable performance, easy installation and so on. Applicable to electronic weighing, weighing and other power measurement, weighing the industrial automation measurement and control system.

Dimensions:



Capacity & measurement:

Capacity	M	A	B	C	D	W	H	2- Φ	I
50kg-3t	M12×1.75	130	12	26	76	32	32	Φ13	55
3t-5t	M18×1.5	171.5	191.1	38.1	95.3	38.1	38.1	Φ19.5	76
6t-10t	M30×2	225.6	25.4	50.8	122.9	50.8	50.8	Φ26.4	105

Technical Parameters:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.03
Nonlinear	≤%F·S	±0.03	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.03	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.03	Output Resistance	3	350±5Ω
Creep	≤%F·S/3min	±0.05	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(500VDC)

Zero temperature coefficient	≤%F·S/10℃	±0.03	Excitation voltage	V	5V-15V

Wiring:

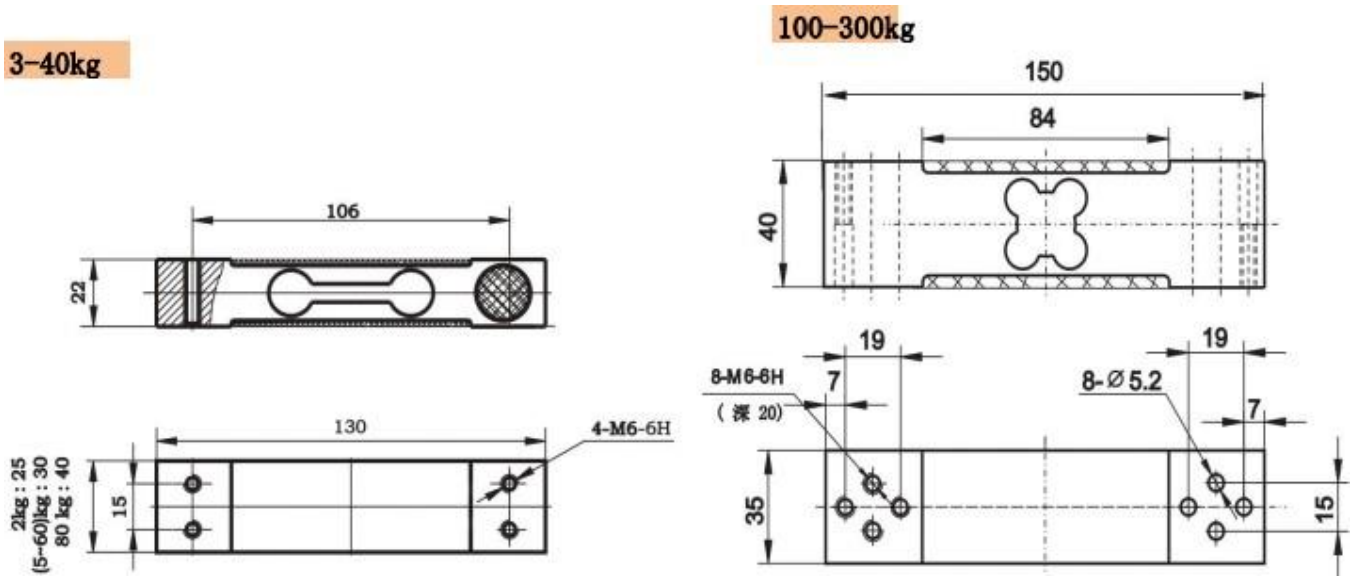
Input： Red（+） Black（-） **Output：**Green（+） White（-） **Tension :** White (+) Green (-)

DYX-306 Single Shear Beam Load Cell

Characteristics & Usage:

The sensor elastic body with shear or curved cantilever beam structure, one end fixed, a section of force, low profile, high structural strength, can be used for a variety of tensile force and pressure load and measurement. It is dust seal, wide range, high precision, stable and reliable performance, easy installation and so on. Applicable to electronic weighing, weighing and other power measurement, weighing the industrial automation measurement and control system.

Dimensions:



Technical Parameters:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.03
Nonlinear	≤%F·S	±0.03	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.03	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.02	Output Resistance	3	350±5Ω
Creep	≤%F·S/3min	±0.03	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.03	Excitation voltage	V	10V-15V

Wiring:

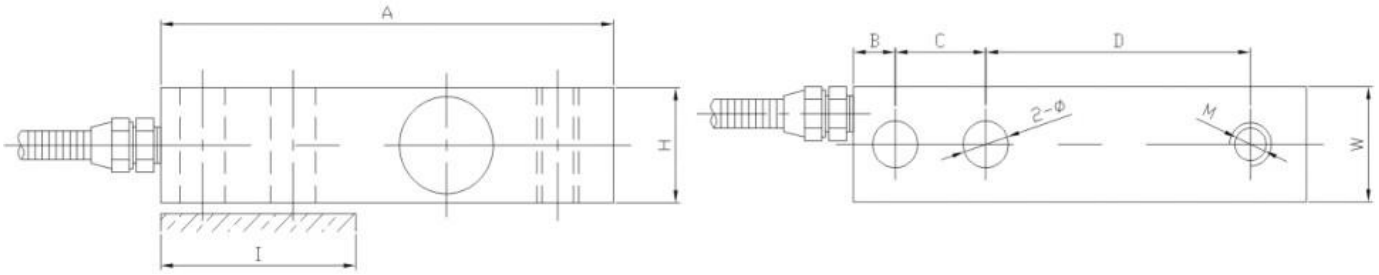
Input： Red（+） Black（-） **Output：**Green（+） White（-） **Tension :** White (+) Green (-)

DYX-301 Single Shear Beam Load Cell

Characteristics & Usage:

The sensor elastic body with shear or curved cantilever beam structure, one end fixed, a section of force, low profile, high structural strength, can be used for a variety of tensile force and pressure load and measurement. It is dust seal, wide range, high precision, stable and reliable performance, easy installation and so on. Applicable to electronic weighing, weighing and other power measurement, weighing the industrial automation measurement and control system.

Dimensions:



Capacity & measurement:

Capacity	M	A	B	C	D	W	H	2- Φ	I
50kg-3t	M12×1.75	130	12	26	76	32	32	Φ13	55
3t-5t	M18×1.5	171.5	191.1	38.1	95.3	38.1	38.1	Φ19.5	76
6t-10t	M30×2	225.6	25.4	50.8	122.9	50.8	50.8	Φ26.4	105

Technical Parameters:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.03
Nonlinear	≤%F·S	±0.03	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.03	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.03	Output Resistance	3	350±5Ω
Creep	≤%F·S/3min	±0.05	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.03	Excitation voltage	V	5V-15V

Wiring:

Input： Red（+） Black（-） **Output：**Green（+） White（-） **Tension :** White (+) Green (-)

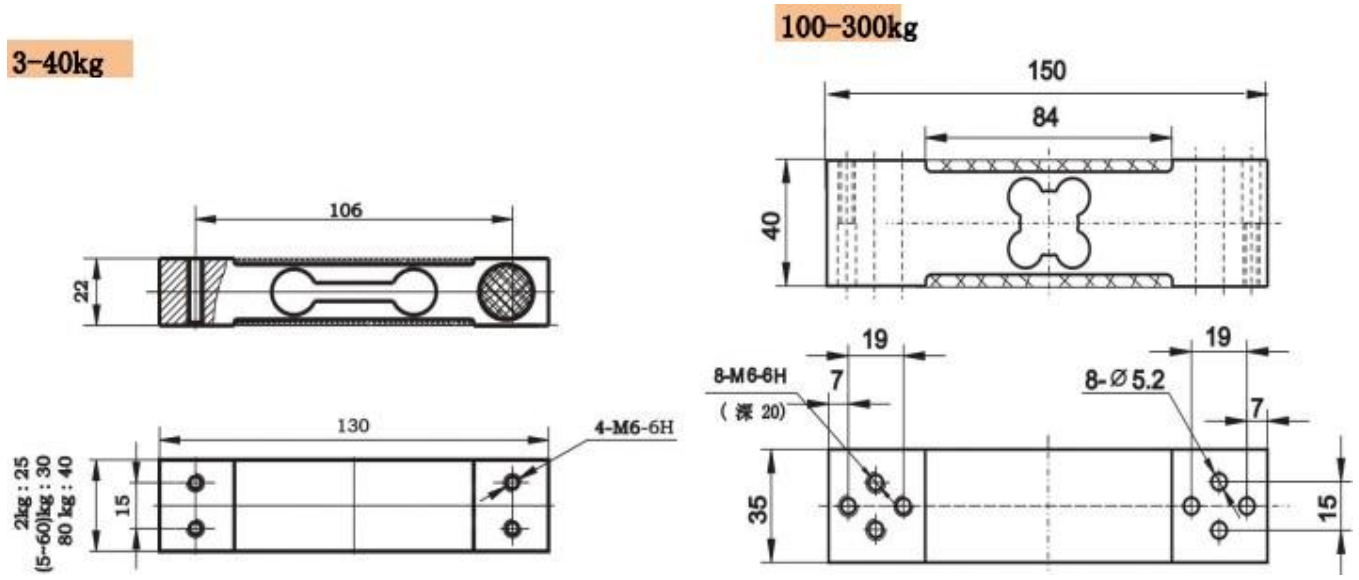
DYX-306 Single Shear Beam Load Cell

Characteristics & Usage:

The sensor elastic body with shear or curved cantilever beam structure, one end fixed, a section of force, low profile, high structural strength, can be used for a variety of tensile force and pressure load and measurement. It is dust seal, wide range, high precision, stable and reliable performance, easy installation

and so on. Applicable to electronic weighing, weighing and other power measurement, weighing the industrial automation measurement and control system.

Dimensions:



Technical Parameters:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.03
Nonlinear	≤%F·S	±0.03	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.03	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.02	Output Resistance	3	350±5Ω
Creep	≤%F·S/3min	±0.03	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.03	Excitation voltage	V	10V-15V

Wiring:

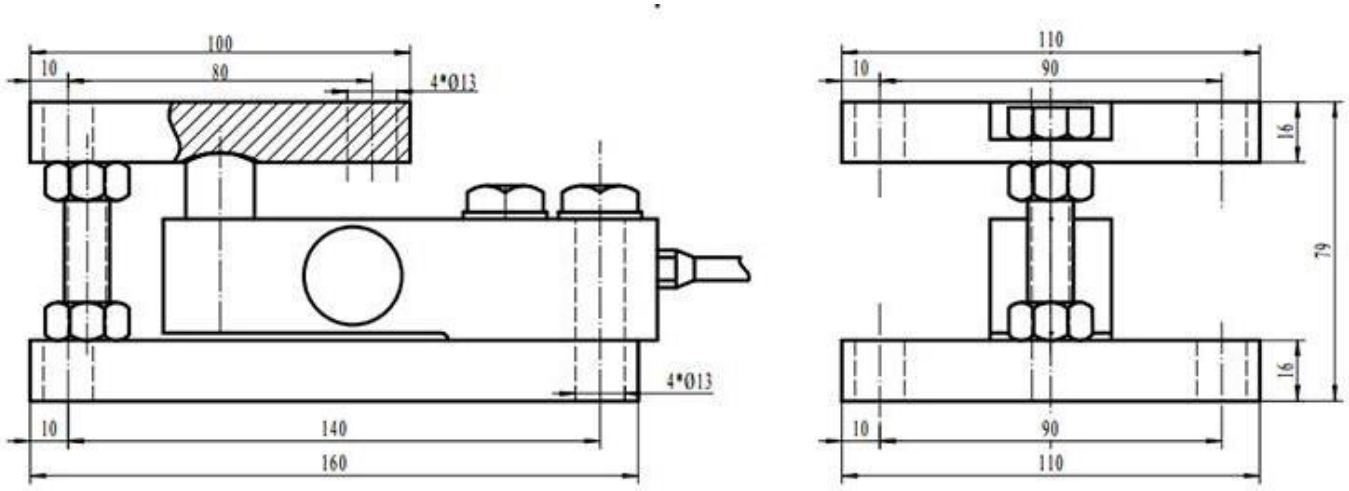
Input： Red（+） Black（-） **Output：**Green（+） White（-） **Tension :** White (+) Green (-)

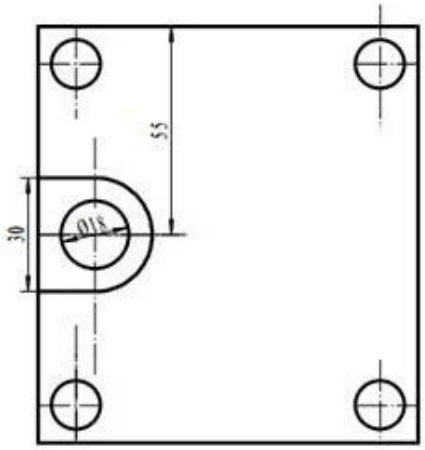
DYX-032 Single Shear Beam Weighing Module

Characteristics & Usage:

Using high quality sensors with high precision.
Unique structure, can be easily installed in all kinds of tank.
With supported bolt to prevent equipment capsized.
Using high quality alloy steel, will never rust with long service time.
Installation is simple and rapid.
Easy maintenance, saving maintenance downtime.
Suitable for tank weighing batching process control.

Dimensions:



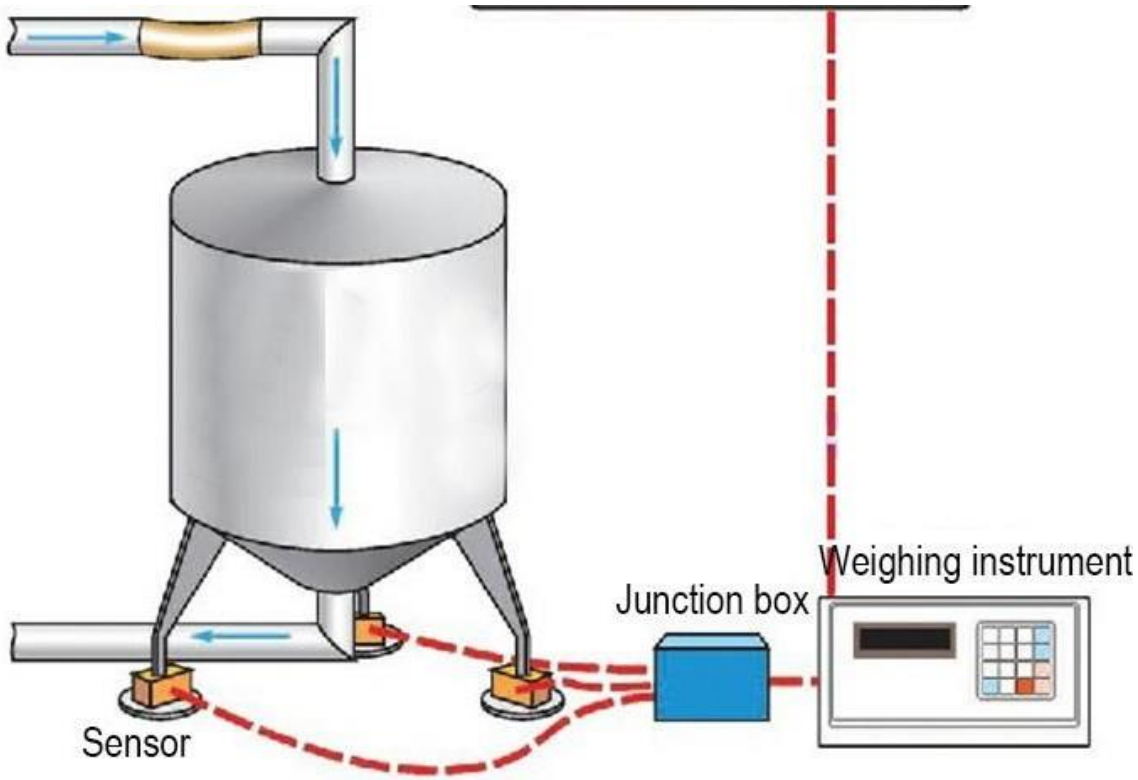


Range： 50kg-2T

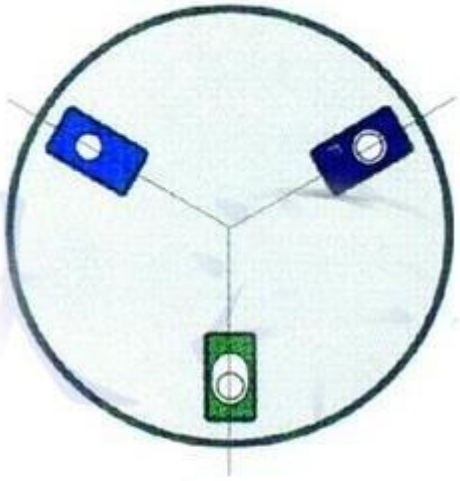
Technical Parameters:

Sensor	DYX-032
Rated weighing (t)	0.3 ,0.5 ,1, 2,3,5,10
Sensitivity (MV/V)	2±0.002
Safe overload	150%R.C
Ultimate overload	200%R.C
protection class	IP67
Cable length (m)	3

Installation



Installation



Radial Install

Rectangle Install

stationary type

free-floating type

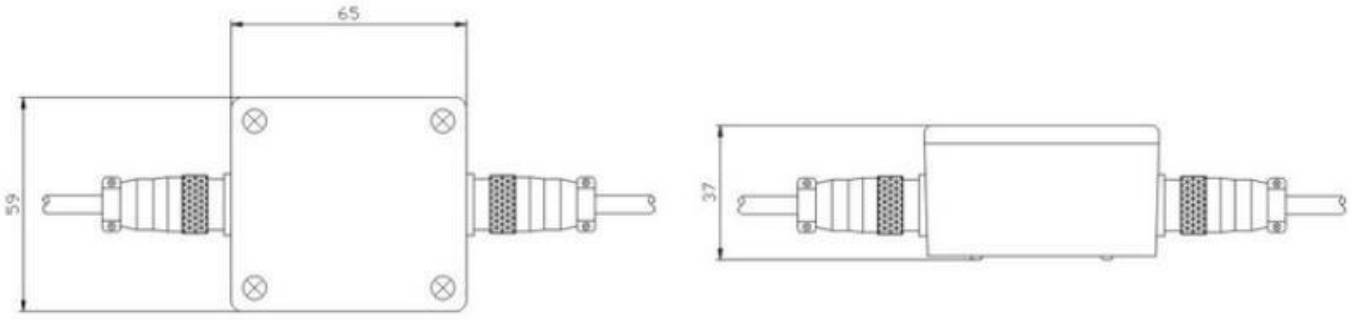
partial floating type

DYBSQ-001 Single-channel transmitter

Characteristics & Usage:

External transmitter, aluminum alloy enclosure, the micro voltage signal of the weighing sensor (MV)
For precision amplifier, circuit internal neatly, constant current, voltage and current conversion for bridge, impedance adapter, Linear compensation, temperature compensation, etc., which converts the mechanical quantity standard current, voltage signal output,
4 ~ 20 ma, 0 ~ 10 ma, 0 ~ 5 v, 1 ~ 5 v, 0 to 10 v directly with automatic control device interface or meter
Computer networking, transmitter has zero, adjustable gain function

Dimensions:



Technical Parameters:

Parameter	Unit	Technical Specifications
Input	mV	0~20
Output	V mA	0~5/0~10 0~20/4~20
Nonlinear	≤%F·S	±0.2
Supply voltage	VDC	12/24
Protection grade	IP65-IP67	Air plug IP65, Waterproof plug IP67

Wiring

Input： Red（+） Black（-）

Output：Green（+） White（-）

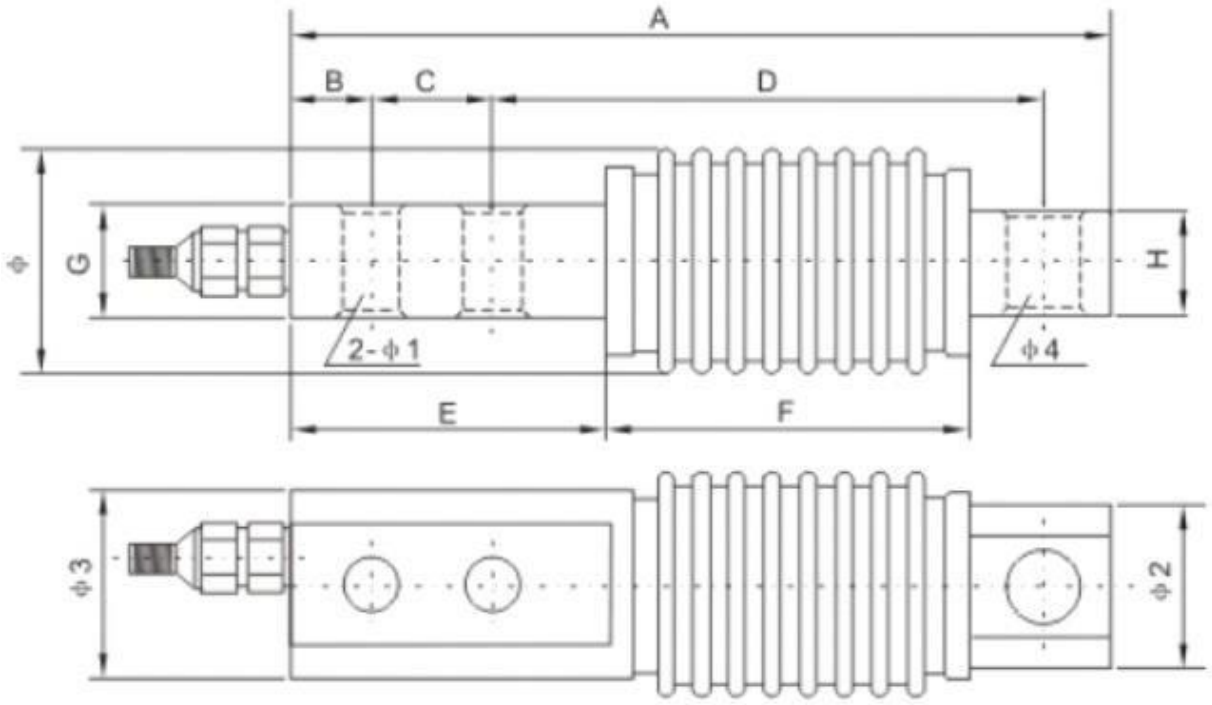
DYBW- 106 Crinkle Load Cell

Characteristics & Usage:

Cantilever beam load cell, hermetically sealed stainless steel metallic crinkle tension and compression; anti-overload, high fatigue resistance and anti-deflective loading.

Suitable for electronic belt scale,hopper scale,etc.

Dimensions:



Technical Parameters:

尺寸/mm / 量程/kg	A	B	C	D	E	F	G	H	φ	φ1	φ2	φ3	φ4
10～200	123	13	18	82	45	59	22	20	45	8.5	27	32	11
300～1000	210	15	40	133	93	64	34	25	60	13	35	50	14

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.02
Nonlinear	≤%F·S	±0.03	Operating temperature range	℃	-40℃～+80℃
Hysteresis	≤%F·S	±0.03	Input resistance	Ω	352±10Ω
Repeatability	≤%F·S	±0.03	Output Resistance	3	40±10Ω
Creep	≤%F·S/3min	±0.03	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥5000MΩ(50VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.02	Excitation voltage	V	10V-12V

Wiring

Input： Red（+） Black（-）

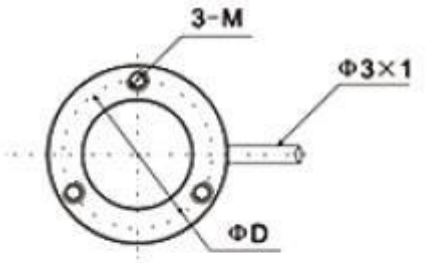
Output：Green（+） White（-）

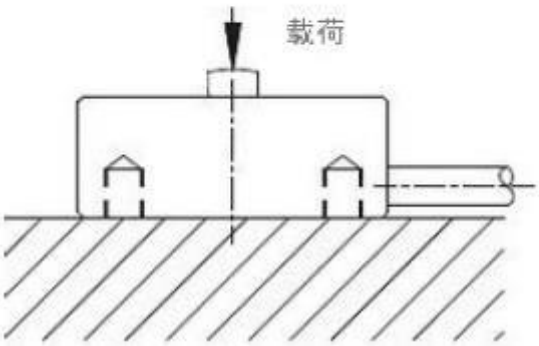
DYH-200 Mini load cell

Characteristics & Usage:

single point platform load cell , compression can be used. Small Miniature size ,low profile ,strong output signal .stainless steel .Widely used in electron industry and measure equipments.

Dimensions:





Capacity & measurement:

Capacity	ΦA	ΦC	ΦD	H	E	M	H1	SR

5-200kg	**20**	**2.5**	**15.5**	**12**	**10**	**M3**	**2.7**	**2**
300-1000kg	**26**	**5**	**18.5**	**15**	**11.5**	**M4**	**3.5**	**6**
2000kg	**30**	**6**	**20**	**18**	**14**	**M4**	**3.5**	**15**

Technical Parameters:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	1.0-1.5	Protect grade		IP67
Nonlinear	≤%F·S	±1%	Operating temperature range	℃	-30℃～+70℃
Hysteresis	≤%F·S	±0.5%	Input resistance	Ω	400±10Ω
Repeatability	≤%F·S	±0.1%	Output Resistance	Ω	350±10Ω
Creep	≤%F·S/3min	±0.5%	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±0.05%/10℃	Insulation resistance	MΩ	≥5000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.05%/10℃	Excitation voltage	V	10V-12V

Wiring

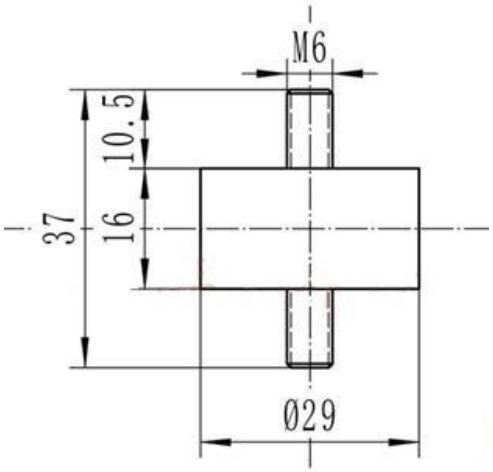
Input： Red（+） Black（-）

Output：Green（+） White（-）

DYMH-103 Load Cell

1. Brief:

DYMH-103 load cell strain gauge, small size, low height, corrosion-resistant. Applicable to space limited use.



2. Technical Parameters:

Rated load	10, 20, 30, 50, 100 , 200,	Insulation resistance	≥5000MΩ
		Operating temperature range	-30 ～ +70℃
Sensitivity	1.0～1.5mv/v	Safe overload	150%F.S
Comprehensive error	±0.5%F.S	Extreme overload	200%F.S
Creep	±0.5%F.S	Recommended excitation voltage	10～12V(DC)
Zero balance	±1%F.S	Maximum excitation voltage	15V
Zero temperature effect	±0.05%F.S/10℃	Seal rating	IP67
Output temperature effects	±0.05%F.S/10℃	Material	alloy steel
input resistance	400±10Ω	Cable	Line length: 3-6m; Diameter: ¢6mm

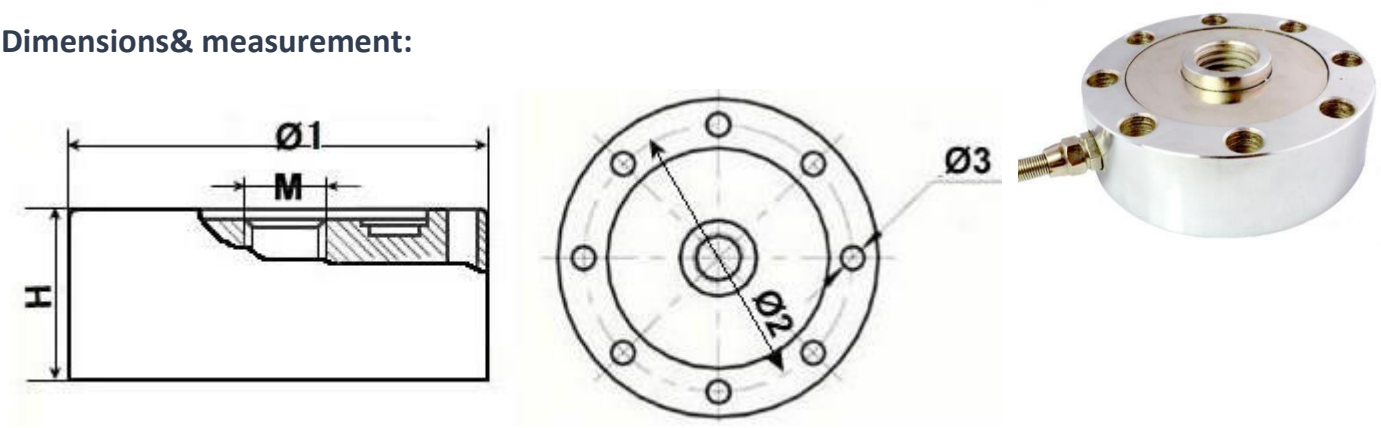
Output impedance	350±10Ω	Excitation + = red; Excitation - = black; Output + = green; Output - = white

JLBU Load Cell

Characteristics & Usage:

JLBU sensor, cross shear beam structure, with good natural linear, anti-bias load capacity, high accuracy, low height profile, easy and stable installation in the hopper, said truck scale, railway scale and other electronic scales widely used in various industrial weighing systems to do the analysis and force measurement. Large range of large-size can select integration standard signal output, three-wire, 0 ~ 10mA, 4 ~ 20mA or 0 ~ 5V output..

Dimensions& measurement:



Capacity	H	¢1	¢2	¢3	M
50KG～1T	24	72	58.5	8-¢6	M12

Technical Parameters:

Parameter	Unit	Technical Specifications	Parameter	Unit	Technical Specifications
Sensitivity	mV/V	2.0±0.05	Temperature coefficient of sensitivity	≤%F·S/10℃	±0.05
Nonlinear	≤%F·S	±0.05	Operating temperature range	℃	-20℃～+80℃
Hysteresis	≤%F·S	±0.05	Input resistance	Ω	350±20Ω
Repeatability	≤%F·S	±0.05	Output Resistance	3	350±3Ω
Creep	≤%F·S/3min	±0.05	Safe Overload	≤%F·S	150% F·S
Zero output	≤%F·S	±1	Insulation resistance	MΩ	≥3000MΩ(500VDC)
Zero temperature coefficient	≤%F·S/10℃	±0.05	Excitation voltage	V	9V-15V

Wiring

Input： Red（+） Green（-） Output：Yellow（+） White（-）

DY-JXH-S4

Characteristics & Usage:

DY-JXH-S4 Multi-junction box with aluminum alloy enclosure, with the capacity of anti-jamming.

With waterproof sealing joints and rubber gasket, have good waterproof dustproof performance.

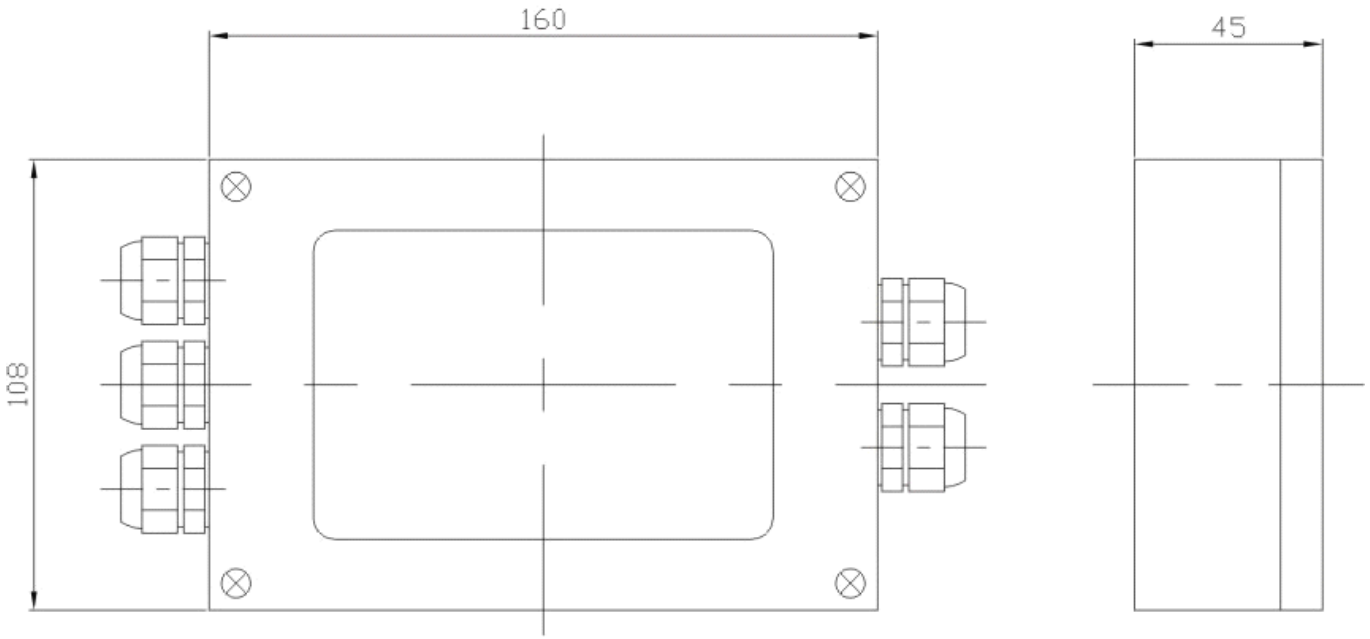
With sensitivity matching adjustment mode, each output can be balanced.

Can prevent the damage to the sensor caused by indirect lightning and surge signal.

Convenient in assembly and alignment.

High Reliability.

Dimensions:



Technical Parameters:

Technical index	Technical index	Unit

Multi-way input	0-20	mV
Single output	0-20	mV
Accuracy	≤±0.1	%F•S
Supply voltage	12、24	VDC
Operating temperature	-20～85	℃
Protection grade	Ip67	
Joint	3/4/6/8/10	

Overload limiter BCQ-DY

1. overview:

BCQ with - DY loading-capacity limiter is my company specializing in the production of lifting machinery safety protection devices, specially used for various specifications of electric hoist single-girder crane. The device has a voice alarm, real-time alarm, cut off the crane hoisting motor circuit and display the function such as weight lifting heavy objects, avoid lifting equipment for overload equipment and personal injuries caused by overload. So it for metallurgy, machinery, mining, railway, port, warehouse industry modernization of safety production, has the extremely important significance.

This product adopts the advanced computer technology in design and automatic check check and automatic zero tracking ability, has the strong function, compact structure, convenient operation and calibration, stable work, easy installation and maintenance, etc.

2, the main features of the limiter

2.1 the adoption of advanced and unique resistance of software design, this device has strong anti-interference ability;

2.2 in order to eliminate the influence of the changes in the production of the sensor, amplifier and machinery, the device adopts the zero point automatic tracking memory technology to ensure the accuracy of weighing;

2.3 in order to facilitate the installation, the various parts of the device in the factory has been adjusted according to the technical standards with precision instruments, on-site installation is generally no longer necessary to debug (see installation and commissioning part);

2.4 in order to facilitate accurate display steady value, limiter used software to adjust memory technology, the timing is convenient intuitive;

3, technical indicators

3.1 scope of application: 0.5T ~ 32T various specifications of electric hoist single beam crane;

3.2 system error: less than + 5% (F = S);

3.3 alarm way: buzzer alarm;

(1) forecast warning point: when the lifting weight reaches the rated lifting weight of 90%, the intermittent

alarm sound (sound), showing the weight of the weight;
(2) rating of alarm: when lifting weight amounted to 100% of the rated lifting weight,
To issue an intermittent alarm sound (Chang Sheng) to show the amount of the weight;
(3) immediately report to the police: when lifting weight amounted to 110% of the rated lifting weight, continuous alarm, and delay 3 seconds automatically cut off the crane contactor power, shows that heavy weight;
3.4 the static strength of the sensor: the static strength of the sensor is 1.5 times of the rated load;
3.5 working temperature: -20 C ~ +60 c;
3.6 relative humidity: 45% ~ 95%;
3.7 power supply voltage: AC380V, 50HZ or according to user requirements;
3.8 relay contact capacity: relay contact capacity is AC380V, 2A;
3.9 controller voltage: 2000V;
3.10 display mode: four LED (red) digital display weight

4, working principle

BCQ-DY type lifting weight limiter is composed of two parts, the sensor and the controller. When the crane lifting weights, weight transfer to the sensor the sensor produces amounts of voltage change, magnified by instrument amplifier by high-resolution A/D converter into a digital signal. The digital signal is read directly by a single-chip computer, after processing the conversion into the weight value. And compared to 110% rated rated output for three seconds after a passive relay contact signal (Chang Bi), to cut off the lifting power of the motor, the weight value according to the controller commands sent to the controller after the treatment showed rated weight lifting weight, alarm and alarm sound, the controller can send a variety of instructions check sensor the working state of correction of weighing accuracy and change the ratio and so on.

220 Weight Indicator

Specifications:

1. Analog input

Analog inputs use 20 bits AD chip, Count Speed up to 80 times / sec, the measurement accuracy of 0.2%
Display range -9999 ~ 19999
The largest sub-degree 50000
For the bridge voltage 5V, 100mA

2. The switch output

3 relay or OC outputs. Relay contacts AC 250V / 1A, OC output drive 100mA / 48V optional.

3. Transmission output

Output 4-20mA, 0-10V, 12bit precision driving 500 ohm load. Optional features.

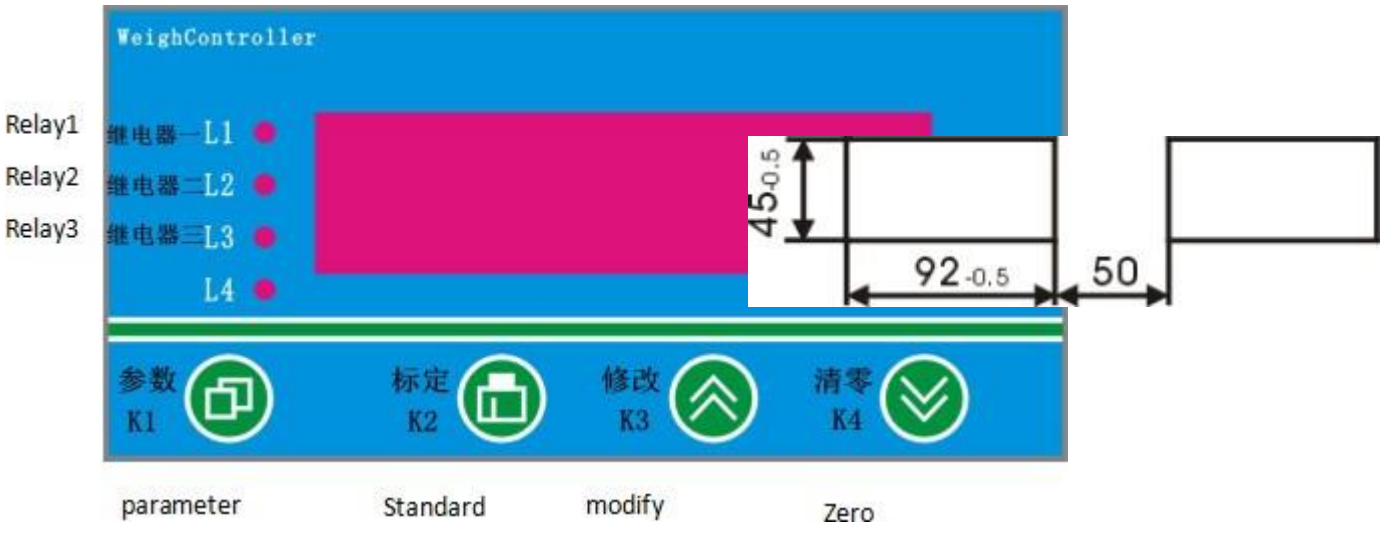
4. communication port

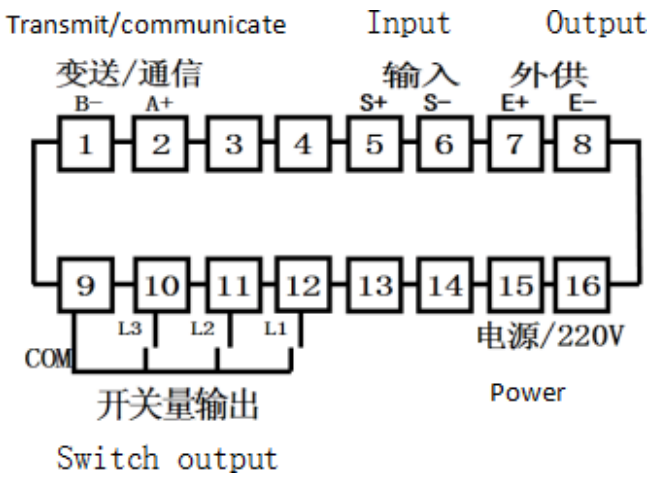
485,232 communication interface, upload executable modbusRTU and active protocol. This function is optional. Only can

5. A simple comparison output

Features: 3 output meter can be set to be greater than or less than the comparative comparison. When the measured value exceeds the upper limit output is active when the measured value is less than the upper limit minus hysteresis output is invalid. If the output is less than comparison, the measured value is less than the lower limit of the output is active when the measured value is greater than the lower limit plus hysteresis invalid.

Operation :





Menu Structure

3.1 parameter modification. Standby mode, press [k1] + password to enter the password written 100. Entering advanced parameters (13 parameters later) password is written 105.

Specific steps are as follows: Press [k1] key, there will be 00000, after press [k4] key to move the blinking digit moves to the flashing digit to be modified, press [k3] to modify the blinking digits, password changes is correct, press [k1] key to enter the set parameters, and then press [k1] to switch the set of parameters, select the parameter to be modified, press [k4] enter

the parameters after the modification is completed, press [k1] OK to return to the measurement interface [k2]
3.2 weight calibration. Standby mode, press [k2], to see details of the third page (V: calibration method)
3.3 Key cleared. Standby mode, press [k4], and the measured value is less than zero range is completed is cleared.
3.4 restore the factory settings. 3.1 according to enter parameter modification (but need to enter a password to use special password) to switch to the first 42 parameters, enter a number between 11-19, and then press the [k1] to switch to the next parameter, press [k2 [to exit the way to restore the instrument parameters 1-9 initial state.

Display symbolically

A 1 Alarm output value

b 2 alarm output value

c 3 alarm output value

d alarm hysteresis

AL alarm status

st running state

E A / D code value

dA transmitter output code

U Software version

Calibration method

Standby mode, press [k2], appears E0xxxx, press [k4] is cleared, there E00000 zero calibration is complete. Press [k2] qualifying C00000, plus a known standard weights or heavy objects, press [k4], and then by pressing [[k3] to increase the value + [k4] to move the blinking digit, modified weight by weight, stable, press [k2] OK, the calibration is complete, the value and weight of the weights should be consistent, if not the exact same order again once calibrated, accurate after calibration, press [k1] return force measurement interface.