



VVYHLC-B Load Cell

- Hermetically encapsulated (IP68)
- Maximum capacities: 110 kg~10 t
- Rust-resistant materials
- Low height of construction

TECHNICAL PARAMETER					
Type VVYHLC A1...	220 kg, 550 kg, 1.1t, 1.76t, 2.2t, 4.4t				
Type VVYHLC B1 ...	110 kg, 220 kg, 550 kg, 1.1t, 1.76t, 2.2t, 4.4t				
Type VVYHLC FI — Maximum capacity	220 kg, 550 kg, 1.1t, 1.76t,				
Accuracy class per OIML R60	D1	C3	C4	C6	
Number of load cell verification intervals (nLc)	1000	3000	4000	600	
Minimum load cell verification interval (V _{min})	% of E _{max}	0.0285			
		0.0140 (220 kg; 1.76t; 2.2t; 4.4 t)			
		0.0090 (110kg. 550 kg+1.1t)			
Nominal (rated) sensitivity (C _N)	mV/V	1.94 (10t = 2.00 mV/V)			
Sensitivity tolerance	%	±0.5	±0.1		
Temperature coefficient of zero signal (TC ₀)	% of C _n /10K	±0.0400	±0.0140 (220 kg; 1.76t; 2.2t 4.4t)		
Temperature coefficient of sensitivity (TC _s) ⁴⁾		±0.0420	±0.0140	±0.0105	±0.0070
Relative reversibility error (d _{hy}) ⁴⁾	% of C _n	±0.0500	±0.0166	±0.0125	±0.0083
Non linearly		±0.0500	±0.0170	±0.0166	
Creep upon loading (d _{cr}) over 30 mln.		±0.0500	±0.0166	±0.0166	±0.0122
Minimum dead load output return (MDLOR)		±0.0500	±0.0166	±0.0125	±0.0083
Input resistance (R _i)	Ω	350...480			
Output resistance (R _o)		350 ±2	350 ±0.12		
Reference voltage (U _{ref})	V	5			
Nominal (rated) supply voltage range (B _u)		0.5 ...15 (Ex versions max. 12 V!!!)	5... 10		
Insulation resistance (R _{is})	GΩ	>5			

Nominal (rated) ambient temperature range	•C	-10 ... 40
Operating temperature range		-30 ...+70
Storage temperature range		-50...+85
Limit load (EI)	% of E _{max}	150
Limit lateral loading		100
Breaking load		300
Relative perm, vibrational stress		70
Nominal (rated) displacement at E_{max}	mm	05(1.76t = 1.4 mm)
Weight (G), approx.	kg	0.9 (110 kg ...1.76t): 1.6(2.2t): 2.2 (4.4t) ; 6.2 (10t)
Degree of protection		IP68
Material: Measuring body		Stainless steel
Cable entry		Stainless steel / seal: Viton
Cable sheath		PVC

1)Maximum capacity 10 t: Load application = sinking + tapped hole

2)The values for non-linearity, relative reversibility error) and temperature coefficient of sensitivity are recommended values. The sum of these values is within the cumulated error limit.

3)Accuracy classes C4 and C6 only for VWYHLC B1 ... / 220 kg; 550 kg; 1.1 t

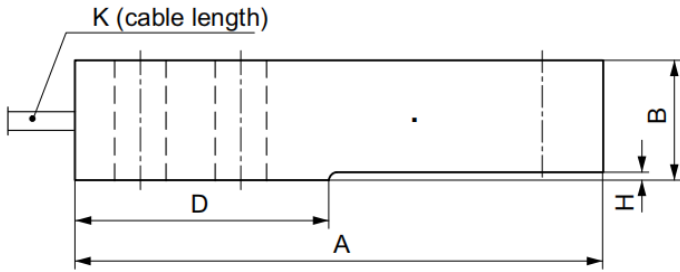
4)As perEN 10088-1

Range	A	B	C	D	E	F	G	H	J	K	øL	M	N
110 kg; 220 kg; 550 kg; 1.1t	133.4	30.2	30.7	57.7	15.4	76.2	25.4	1.7	13	3 m	20.6	M12	14.2
1.76t	133.4	30.2	30.7	51.7	15.4	76.2	25.4	1.7	13	3 m	20.6 1	M12	14.2
2.2 t	171.5	36.5	36.8 I	76.2	19.1 I	95.3	38.1 I	2.5	20.5 I	6 m	30.2 1	M20	17.0
4.4 t	171.5	42.9	42.9 I	76.2	19.1	95.3	38.1	2.5	20.5	6 m	30.2	M20	20.1
10t	245.1	72.9	60	119.9	30.2	134.9	50 ±0.05	11.2	27	6 m	51 +0.2	ø32	20

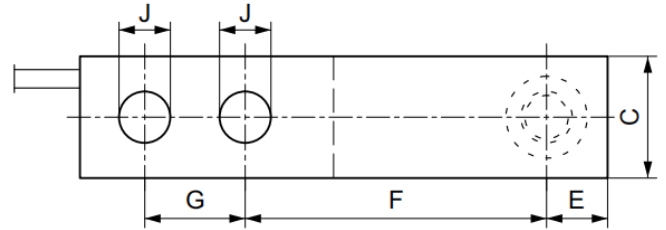
1)Maximum capacities 2.21 and 4.4 t only for VWYHLC-A1 ... + VWYHLC B1

2)Maximum capacity 10t only for VWYHLC B1 D1 ...

Dimension

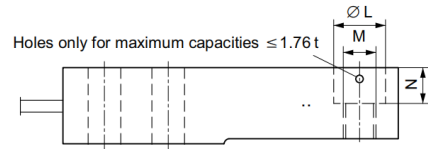


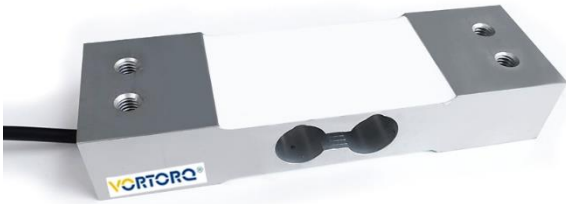
(220 kg; 550 kg; 1.1 t; 1.76 t; 2.2 t; 4.4 t)



cable: Ø 5.4 mm

(110 kg; 220 kg; 550 kg; 1.1 t; 1.76 t; 2.2 t; 4.4 t; 10 t)



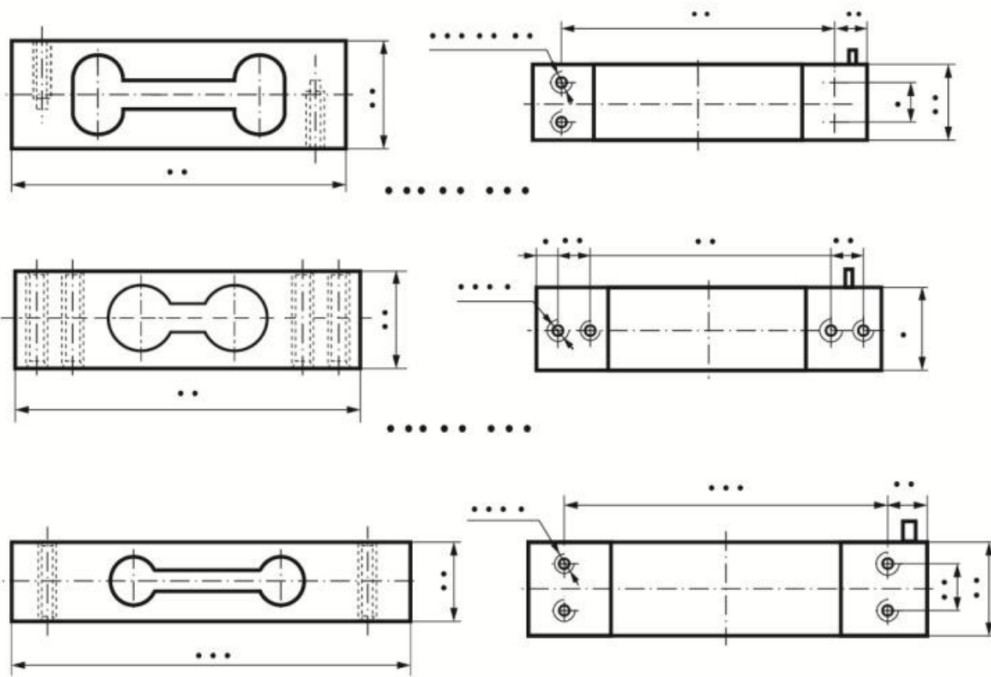


VTJH-W

Aluminum alloy load cell

It is suitable for the measurement and control of electronic platform scales, electronic pricing scales, batching scales, nutrition scales and industrial scales with small force values.

TECHNICAL PARAMETER		
Nominal Load	30~1000 (N)	
Comprehensive Precision	0.02 ~0.05%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.02%F-S/30min	
Zero Out put	±1%F-S	
Temperature Effect at 0	±0.02%F-S/10°C	
Temperature Effect on Output	±0.02%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	400±20Q	
Output Resistance	350±5Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White



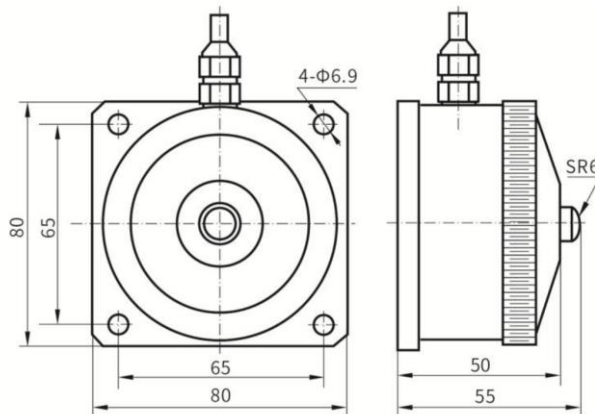
Range/Dimension												
量程(N)	30	50	60	100	150	200	250	300	400	500	600	1000
B (mm)	20			30						40		



TJH-1 Load Cell

Classical products are mature and reliable, and have obtained utility model patents. The unique T-type overload protection device has strong anti-overload capability. Optional integrated standard signal output, such as 4~20mA or ~5V 3-wire amplifier. Suitable for belt scales, batching scales, etc.

TECHNICAL PARAMETER		
Rated Load	30 N~1.5 kN	
Comprehensive Precision	0.05 ~0.1%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.05%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.05%F-S/10°C	
Temperature Effect On Output	±0.05%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Q	
Output Resistance	350±3 Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White
Wiring Definition	Power	Red
	Public	Blue
	Output:	White

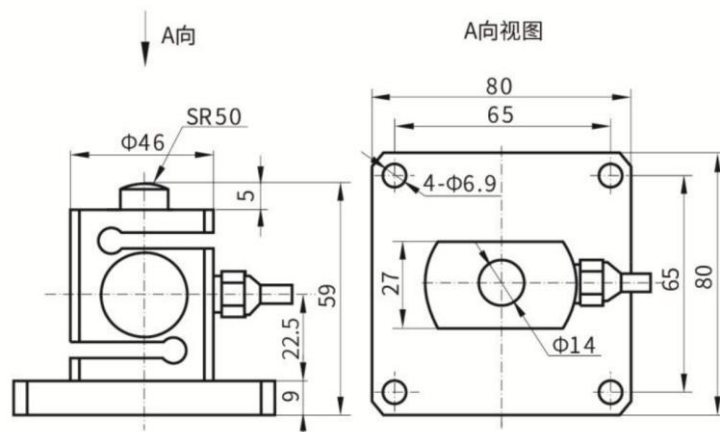




TJH-1B Load Cell

Simple structure, easy installation, good moisture resistance, suitable for electronic belt scales, packaging scales, etc.

TECHNICAL PARAMETER		
Rated Load	1~1.5 (kN)	
Comprehensive Precision	0.05% F · S	
Sensitivity	1.5、2.0 mV/V	
Creep	±0.05%F-S/30min	
Zero Out put	±1%F-S	
Temperature Effect at 0	±0.05%F-S/10°C	
Temperature Effect on Output	±0.05%F-S/10°C	
Operating Temperature Range	-20°C~+65°C	
Input Resistance	680±15Q	
Output Resistance	650±5 Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White



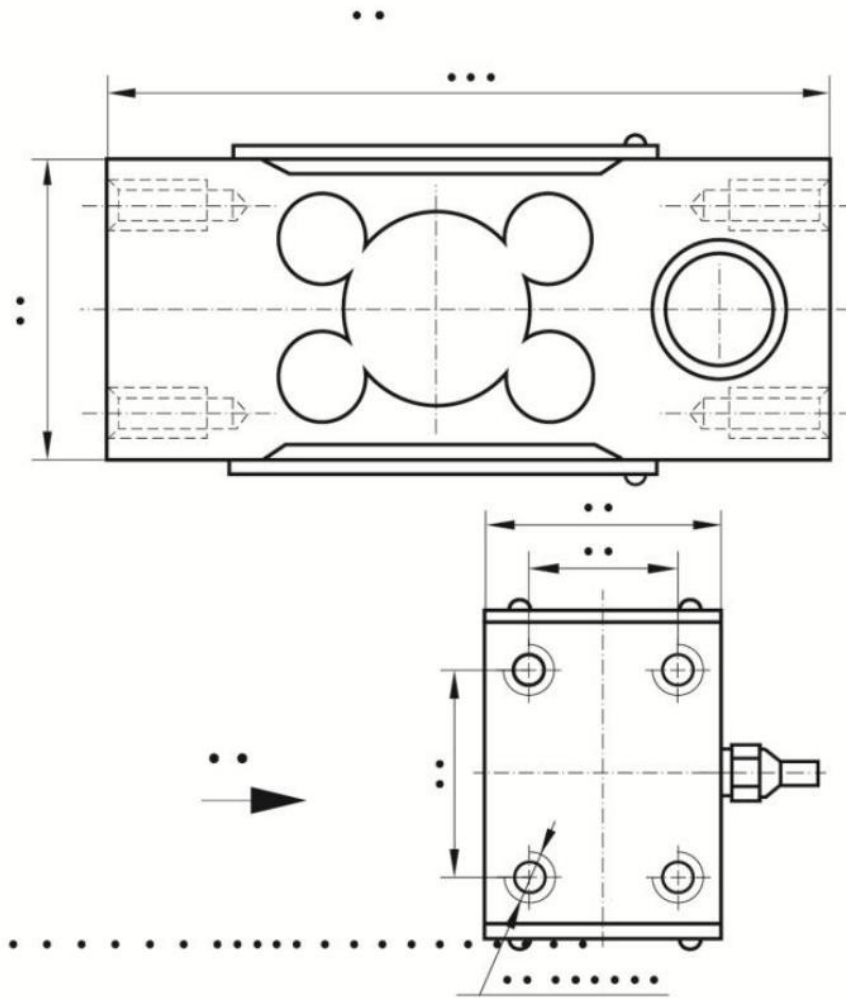


VTJH-W

Aluminum alloy load cell

The four corners of the product are adjusted at the factory to ensure that the output of each point in the specified load plane is consistent. It can be used for packaging scales, platform scales, electronic belt scales, batching scales, etc.

TECHNICAL PARAMETER		
Rated Load	1 ~ 10 (kN)	
Comprehensive Precision	0.02 ~ 0.05%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.02%F-S/30min	
Zero Out put	±1%F-S	
Temperature Effect at 0	±0.02%F-S/10°C	
Temperature Effect on Output	±0.02%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Q	
Output Resistance	350±3Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel orStainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White



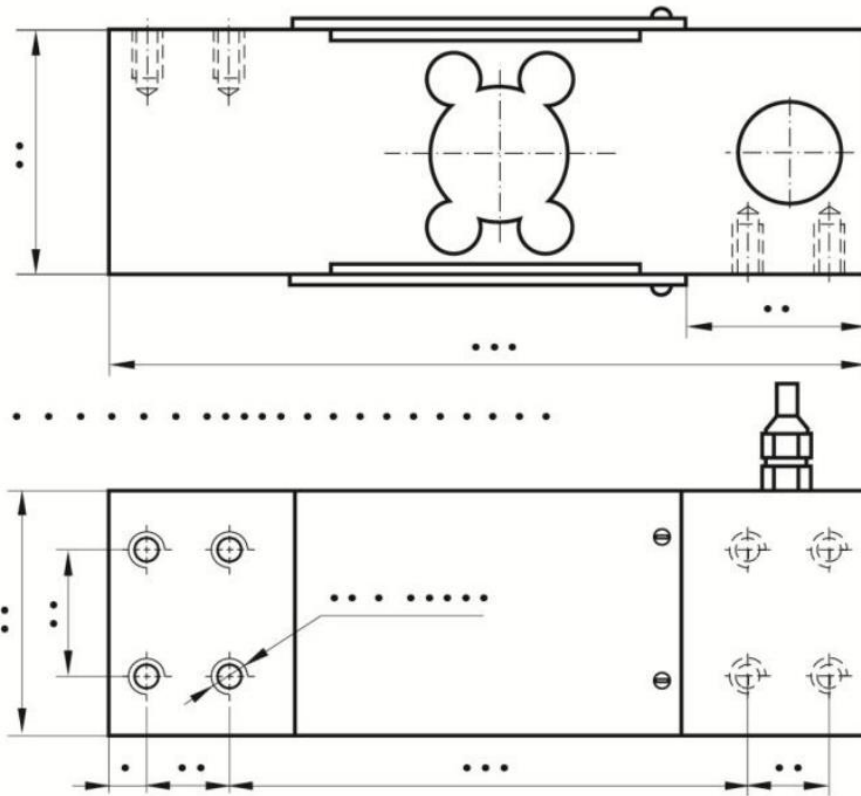


VTJH-2B

Parallel Beam Load Cell

Classical products are mature and reliable, and have obtained utility model patents. The unique T-type overload protection device has strong anti-overload capability. Optional integrated standard signal output, such as 4~20mA or ~5V three-wire amplifier. Suitable for belt scales, batching scales, etc.

TECHNICAL PARAMETER		
Rated Load	30 N~1.5 kN	
Comprehensive Precision	0.05 ~0.1%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.05%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.05%F-S/10°C	
Temperature Effect On Output	±0.05%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Q	
Output Resistance	350±3 Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel or Stainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White



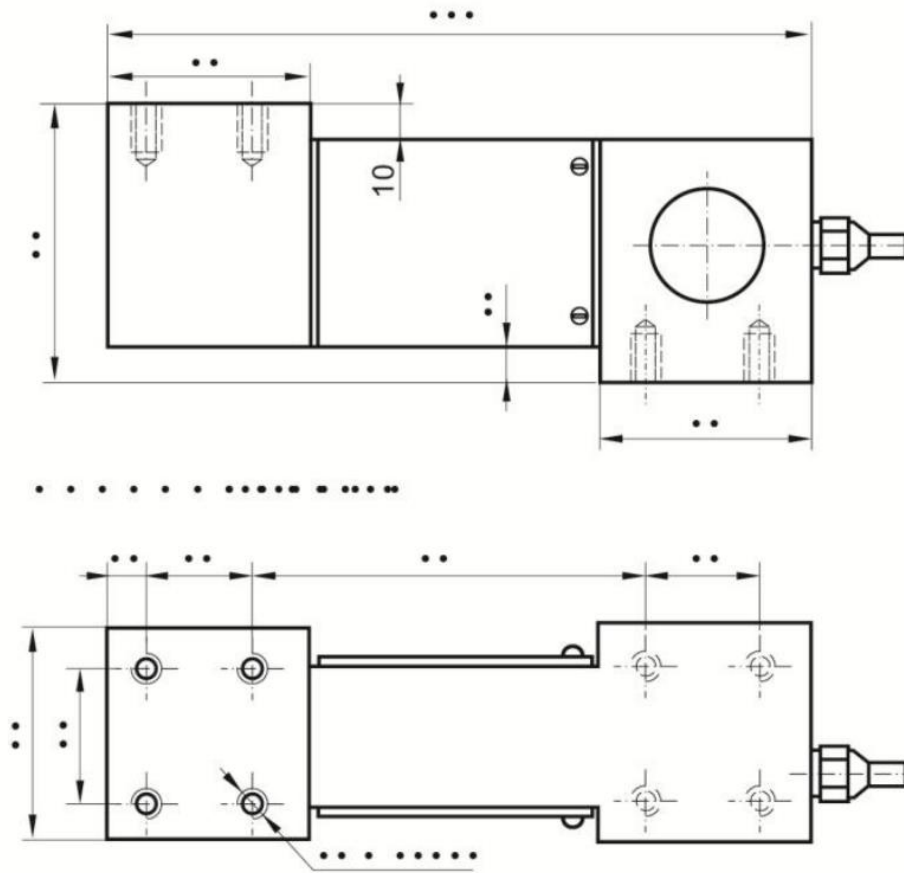


TJH-2C

Parallel Beam Load Cell

The four corners of the product are adjusted before leaving the factory to ensure that the output of each point in the specified load plane is consistent. Can be used for packaging scales, platform scales, electronic belt scales, batching scales, etc.

TECHNICAL PARAMETER		
Rated Load	0.5~10 (kN)	
Comprehensive Precision	0.02 ~0.05%F · S 2.0	
Sensitivity	1.5、2.0 mV/V	
Creep	±0.02%F-S/30min	
Zero Out put	±1%F-S	
Temperature Effect at 0	±0.02%F-S/10°C	
Temperature Effect on Output	±0.02%F-S/10°C	
Operating Temperature Range	-20°C~+65°C	
Input Resistance	380±10Q	
Output Resistance	350±3Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White





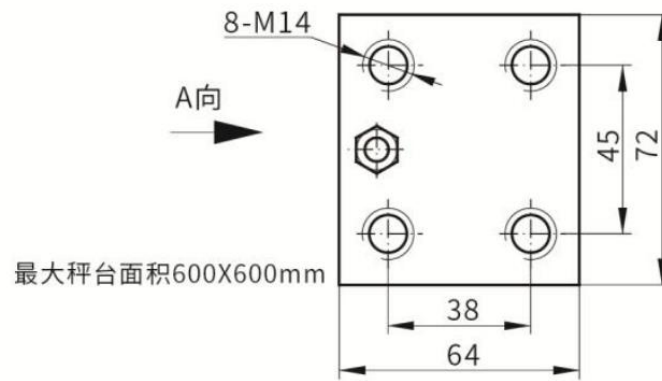
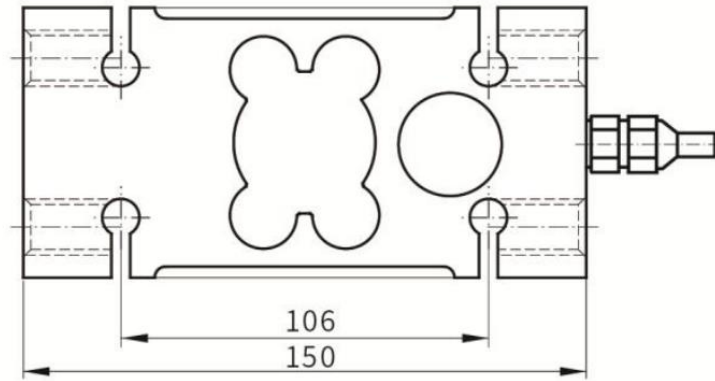
VTJH-2D

Parallel Beam Load Cell

The four corners of the product are adjusted before leaving the factory to ensure that the output of each point in the specified load plane is consistent. It can be used for packaging scales, platform scales, electronic belt scales, batching scales, etc.

TECHNICAL PARAMETER	
Rated Load	0.5~20 (kN)
Comprehensive Precision	0.03 %F · S 2.0
Sensitivity	2.0 mV/V
Creep	±0.03%F-S/30min
Zero Out put	±1%F-S
Temperature Effect at 0	±0.03%F-S/10°C
Temperature Effect on Output	±0.03%F-S/10°C
Operating Temperature Range	-20°C~+65°C
Input Resistance	380±10Q
Output Resistance	350±3Q
Insulation Resistance	>5000 MQ
Safe Load Limit	150% F-S
Bridge Voltage	Suggest 10V DC
Material	Alloy Steel
Wiring Definition	Input + Red
	Input + Black
	Output - Green
	Input - White

A向视图



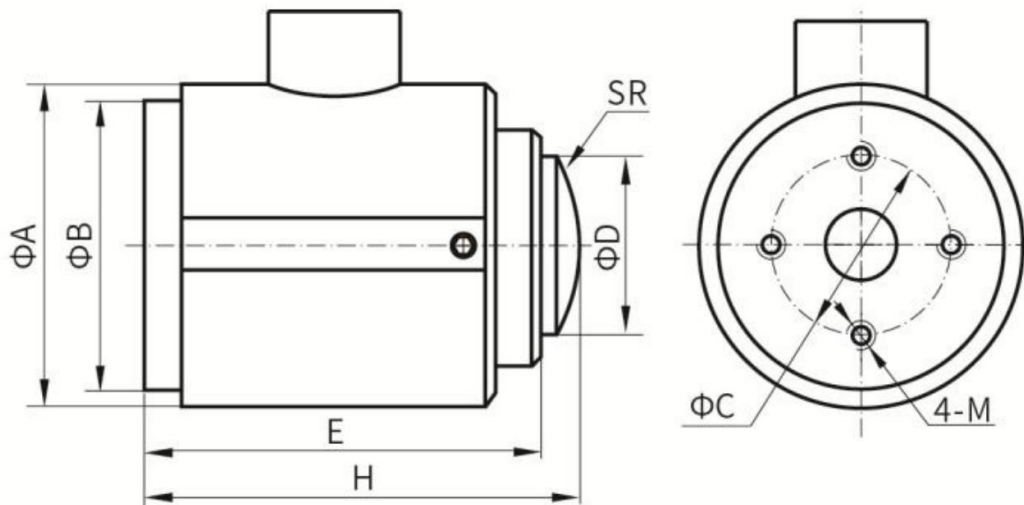


VTJH-3 Column Load Cell

Wide range and strong anti-overload capability. It is widely used in large-tonnage measuring equipment such as medicine and chemical industry, coal metallurgy, electronic truck scale, rail scale, storage scale, and material accuracy.

TECHNICAL PARAMETER		
Rated Load	150 N ~ 3000 kN	
Comprehensive Precision	0.05 ~ 0.1%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.05%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.03%F-S/10°C	
Temperature Effect On Output	±0.03%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Q	
Output Resistance	350±3 Q	
Insulation Resistance	> 5000 MQ	
Safe Load Limit	150% F-S	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

Range		Dimension							
kN	Equivalent t	∅A	∅B	∅C	∅D	H	E	M	SR
150-300	15-30	86	73.5	56	40	140	129	10	200
400-600	40-60	100	87	68	80	150	133	12	350
1000	100	107	91	68	80	170	156	16	500
1500-2000	150-200	158	139	100	120	220	201	16	1000
3000	300	178	159	120	140	245	226	16	1000



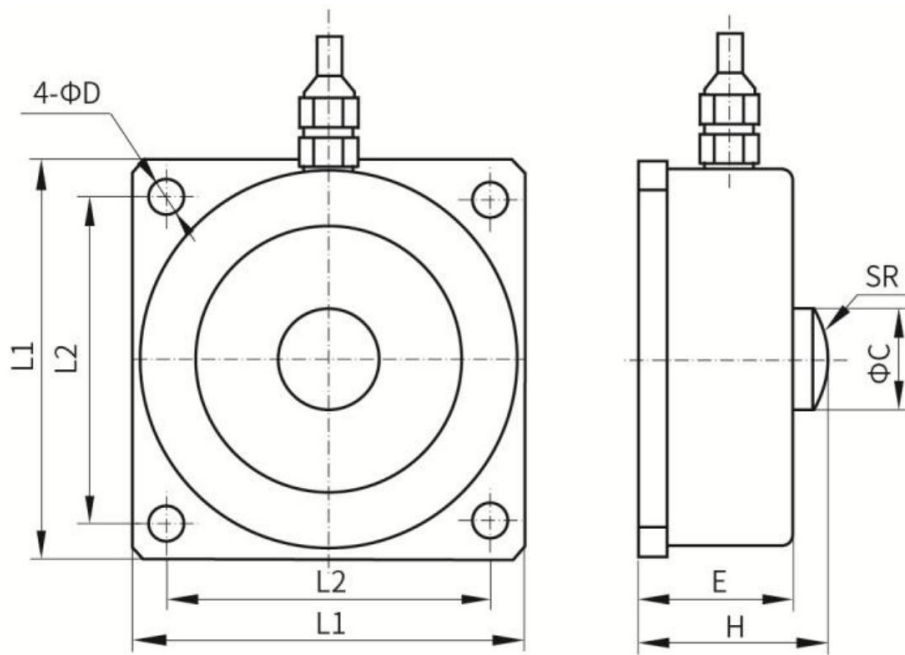


VTJH-4A Force Sensor

Low height, good rigidity, high precision and strong anti-eccentric load capacity. Widely used in belt scales, hopper scales, storage scales, material tanks, material mechanics testing machines, labor safety testing equipment, etc.

TECHNICAL PARAMETER		
Rated Load	3N~1000 (kN)	
Comprehensive Precision	0.03 ~0.1%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.03%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.03%F-S/10°C	
Temperature Effect On Output	±0.03%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Q 或 750±15Q	
Output Resistance	350±3 Q 或 700±5Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

Range		Dimension						
kN	Equivalent t	L1	L2	∅C	∅D	H	E	SR
3~10	0.3~1	74	62	16	6.9	41	33	52
20~70	2~7	90	73	20	8.5	53.5	44	70
100~250	10~25	116	96	30	11	82	70	91
300~500	30~50	132	108	38	13	97	85	120
1000	100	240	190	76	26	125	112	200



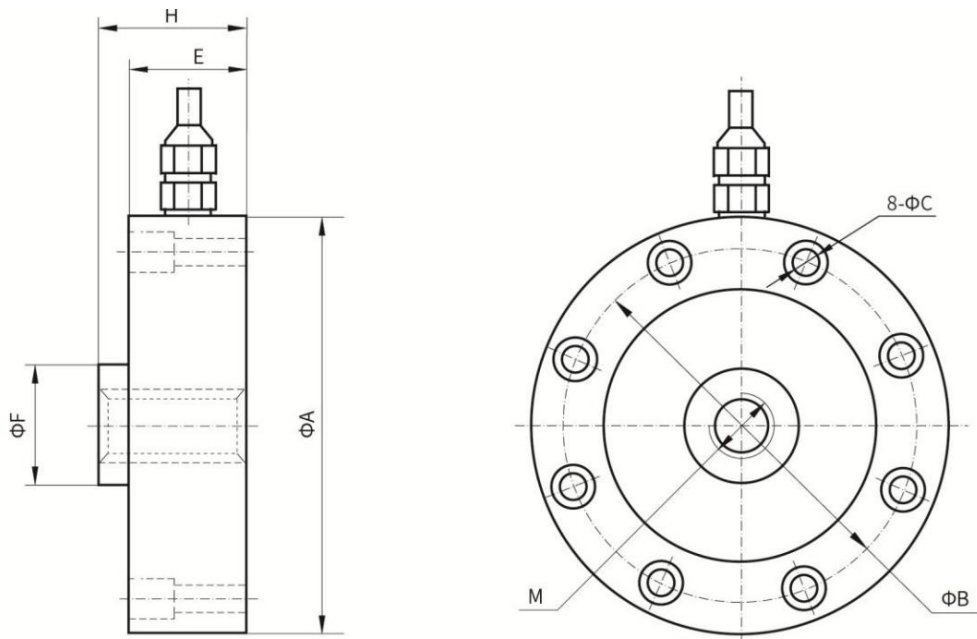


VTJH-4B Force Sensor

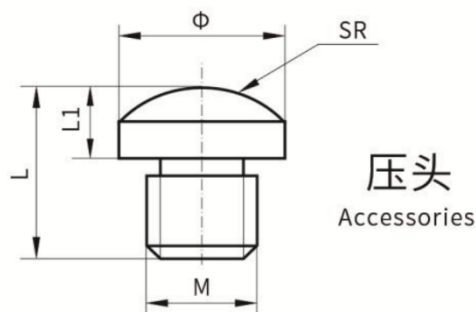
Low height, good rigidity, high precision and strong anti-eccentric load capacity. Widely used in belt scales, hopper scales, storage scales, material tanks, material mechanics testing machines, labor safety testing equipment, etc.

TECHNICAL PARAMETER		
Rated Load	2~2000 (kN)	
Comprehensive Precision	0.05 ~0.1%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.05%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.05%F-S/10°C	
Temperature Effect On Output	±0.05%F-S/10°C	
Operating Temperature Range	-20°C ~+65°C	
Input Resistance	380±10Q 或 750±15Q	
Output Resistance	350±3 Q 或 700±5Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest10V DC	
Material	Alloy Steel or Stainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

Range		Dimension						
kN	Equivalent t	∅A	∅B	∅C	∅F	M	H	E
5~70	0.5 ~7	105	88.9	6.5	32	M16X1.5	37	34
100~250	10 ~25	125	101.6	8.5	39	M32X1.5	52	48
300~500	30 ~50	145	116.8	10.5	50	M40 x 1.5	58	54
600~1000	60~100	205	162	12.5	80	M60 x 2	85	78
2000	200	296	245	22	136	M90 x 3	105	100



量程	Range	尺寸 Dimension				
kN	相当于 t	∅	LI	L	M	SR
5~70	0.5~7	31	13	28	M16X1.5	80
100~250	10~25	38	24	51	M32X1.5	120
300~500	30~50	50	32	62	M40X1.5	200
600~1000	60~100	80	42	80	M60 x 2	280
2000	200	130	55	110	M90 x 3	400

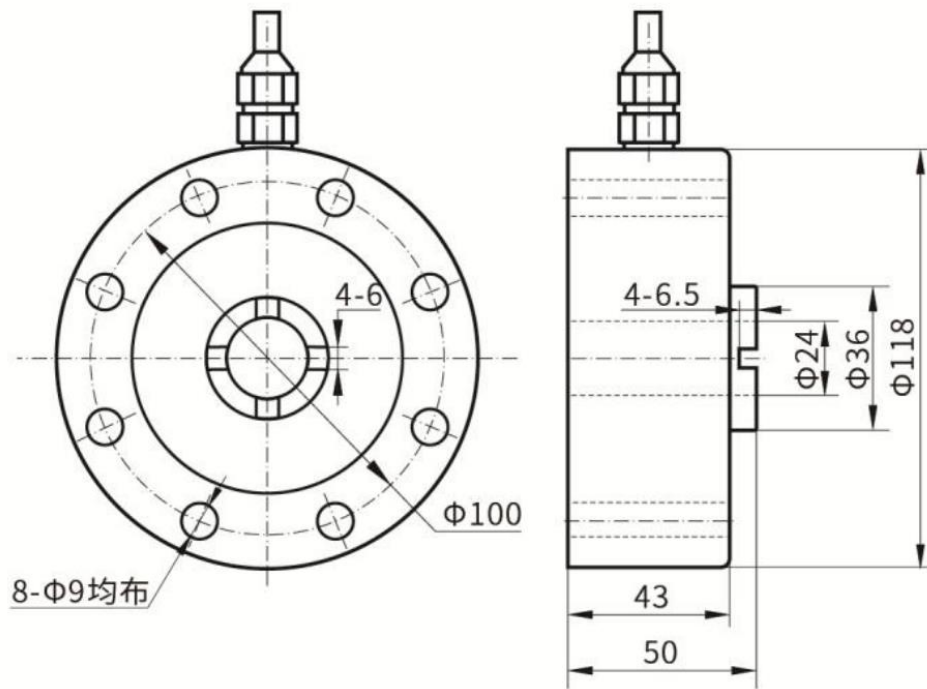




VTJH-4 Force Sensor

Low height, good rigidity, high precision and strong anti-eccentric load capacity. It is widely used in the force measurement of belt scales, hopper scales, storage scales, material tanks, material mechanics testing machines and other equipment.

TECHNICAL PARAMETER		
Rated Load	10~100 (kN)	
Comprehensive Precision	0.05 ~0.1%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.05%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.05%F-S/10°C	
Temperature Effect On Output	±0.05%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Q 或 750±15Q	
Output Resistance	350±3 Q 或 700±5Q	
Insulation Resistance	> 5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel or Stainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

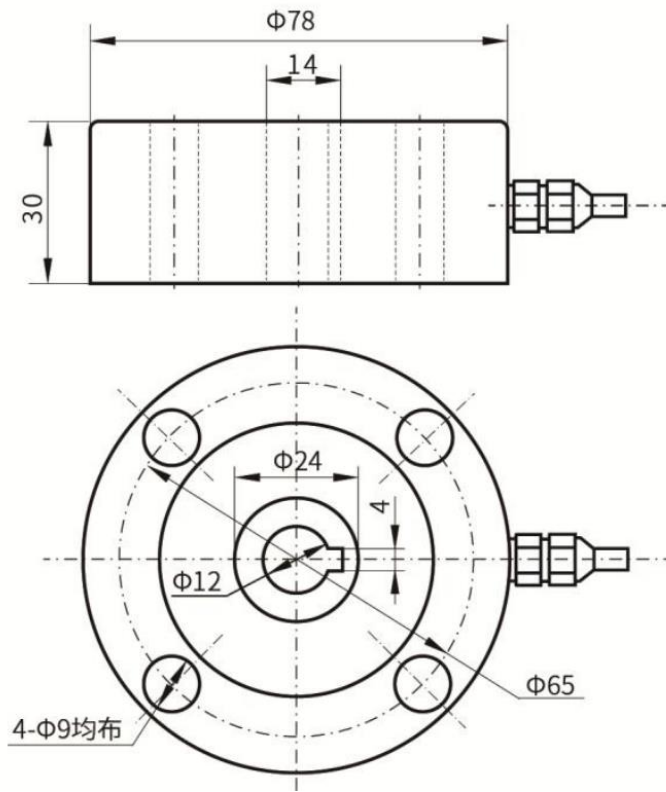




VTJH-4D Force Load Cell

Small size, high precision, strong anti-eccentric load capacity. It is widely used in the force measurement of belt scales, hopper scales, tensile testing machines and other equipment.

TECHNICAL PARAMETER		
Rated Load	0.5~20 (kN)	
Comprehensive Precision	0.05 ~0.1%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.05%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.05%F-S/10°C	
Temperature Effect On Output	±0.05%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Q 或 750±15Q	
Output Resistance	350±3 Q 或 700±5Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel or Stainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White



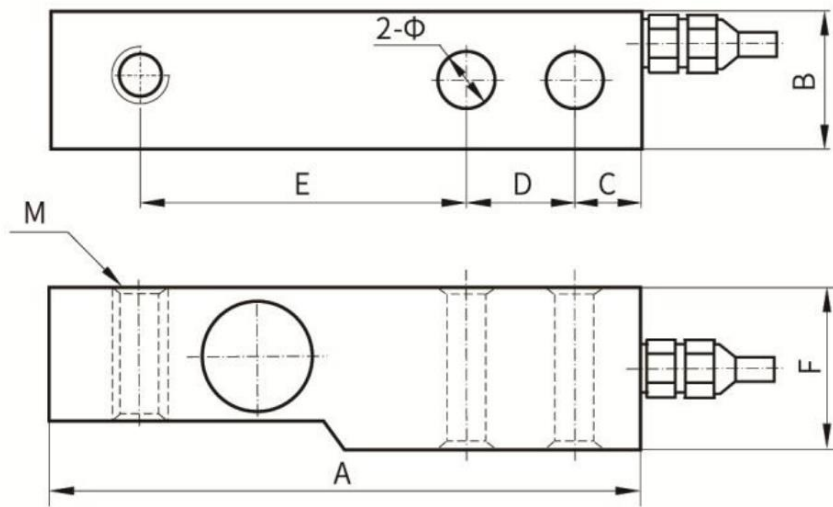


VTJH-5 Shear Beam Load Cell

One end is fixed and one end is loaded, the center of gravity is low, the installation is convenient, and the interchangeability is good. Suitable for truck scales, electronic scales, platform scales, hopper scales, etc. Some ranges can choose built-in amplifier, 4~20mA or ~5V output.

TECHNICAL PARAMETER		
Rated Load	0.5~200 (kN)	
Comprehensive Precision	0.02 ~0.05%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.02%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.02%F-S/10°C	
Temperature Effect On Output	±0.02%F-S/10°C	
Operating Temperature Range	-20°C ~+65°C	
Input Resistance	380±10Q	
Output Resistance	350±3 Q 或 700±5Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel or Stainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

Range		Dimension								
kN	Equivalent t	A	B	C	D	E	F	∅	M	
									Inch	mm
0.5~1	0.05 ~0.1	125	24	8	47	58	30	8.5	1/4-28	M8
2~10	0.2~1	136	32	15	25	77	38	13	1/2-20	M12
15~50	1.5~5	171	38	19	38	96	48	20	3/4-16	M18X1.5
70~100	7~10	222	51	25	51	119	60	25	1"-14	M24x2
150~200	15~20	280	60	28	72	150	70	31	1 1/2"-12	M30x2
0.5~1	0.05 ~0.1	125	24	8	47	58	30	8.5	1/4-28	M8



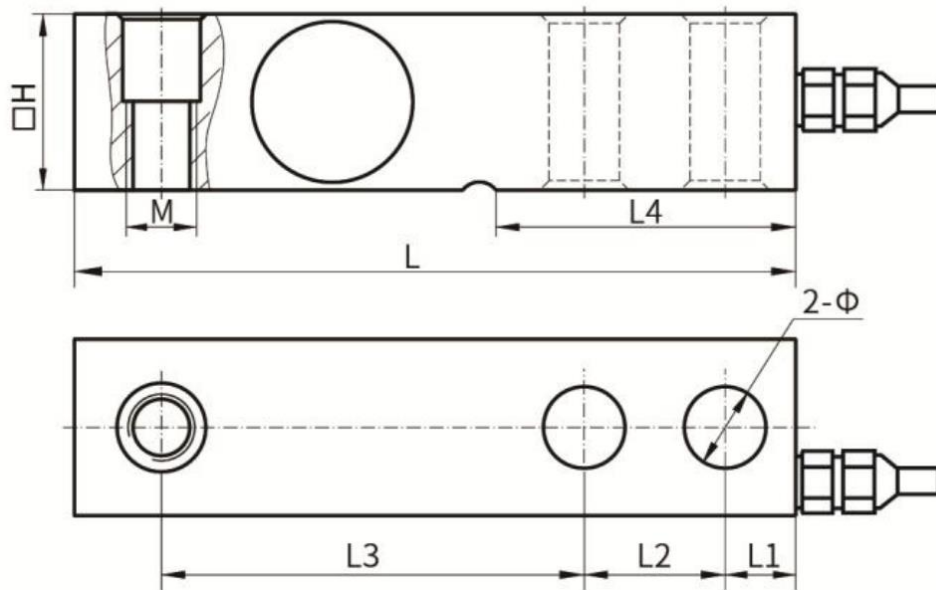
VTJH-5 Shear Beam Load Cell



One end is fixed and one end is loaded, the center of gravity is low, the installation is convenient, and the interchangeability is good. Suitable for truck scales, electronic scales, platform scales, hopper scales, etc. Some ranges can choose built-in amplifier, 4~20mA or ~5V output.

TECHNICAL PARAMETER		
Rated Load	2~200 (kN)	
Comprehensive Precision	0.02 ~0.05%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.02%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.02%F-S/10°C	
Temperature Effect On Output	±0.02%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Q	
Output Resistance	350±3 Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel or Stainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

Range		Dimension							
kN	Equivalent t	L	L1	L2	L3	L4	H	∅	M
2~5	0.2 ~0.5	130	15.5	25.4	76	54	31.8	13	M12
10~30	1~3	130	15.5	25.4	76	54	31.8	13.5	M16
30~50	3~5	171	19.1	38.1	95.3	80	38.1	20	M18X1.5
100	10	222.5	25.4	50.8	123.8	110	50.8	26	M24x2



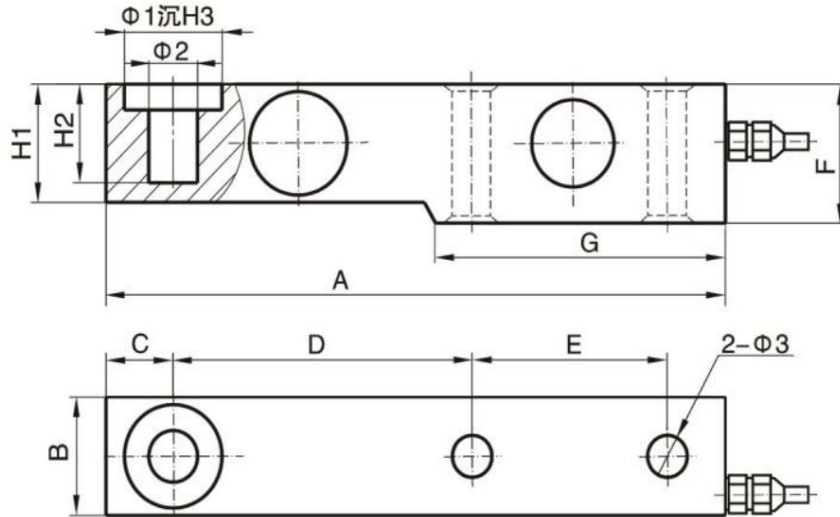


VTJH-5C Shear Beam Load Cell

One end is fixed and one end is loaded, the center of gravity is low, the installation is convenient, and the interchangeability is good. Suitable for truck scales, electronic scales, platform scales, hopper scales, etc. Some ranges can choose built-in amplifier, 4~20mA or ~5V output.

TECHNICAL PARAMETER		
Rated Load	3~250 (kN)	
Comprehensive Precision	0.02 ~0.05%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.02%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.02%F-S/10°C	
Temperature Effect On Output	±0.02%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Ω	
Output Resistance	350±3Ω	
Insulation Resistance	>5000 MΩ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel or Stainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

量程		尺寸												
KN	Equivalent t	A	B	C	D	E	F	G	H1	H2	H3	ø1	ø2	ø3
3-30	0.3-3	203	36.6	22	98	64	43	95	36.6	30.5	8	32	16	13
50-80	5~8	235	48	22	124	66	52	110	48	30	12	38	22	21
100	10	279	60	32	140	82	67	133	60	20	8.5	48	32	28
150-250	15-25	318	70	38	159	89	82.5	153	70	24	9.5	54	38	34



VTJH-8 Bending Beam Load Cell

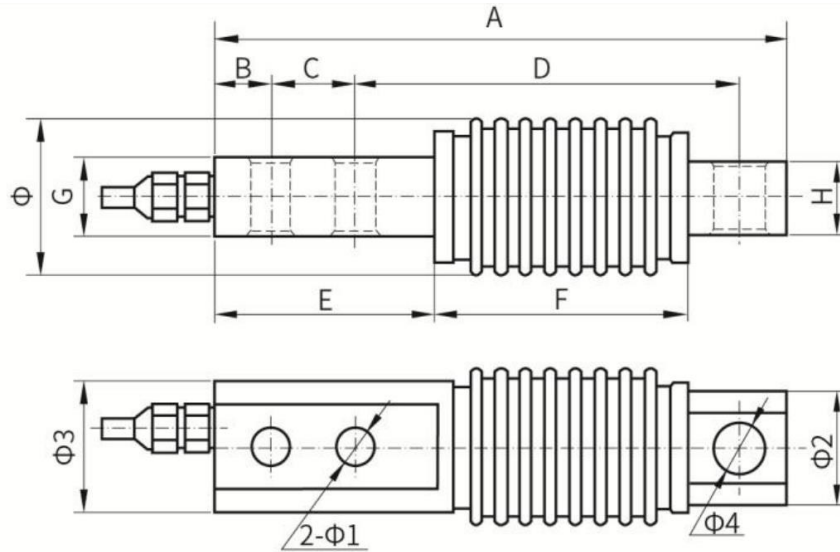


Classic product, mature and reliable, high precision, fatigue resistance, partial load resistance, laser welding, good sealing performance, can be used by pulling and pressing. It is suitable for measurement and control of electronic scales, belt scales, hopper scales and other force values.

技术参数 TECHNICAL PARAMETER

Rated Load	0.1 ~ 10 (kN)	
Comprehensive Precision	0.02 ~ 0.05%F · S	
Sensitivity	2.0 mV/V	
Creep	±0.02%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.02%F-S/10°C	
Temperature Effect On Output	±0.02%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Ω	
Output Resistance	350±3Ω	
Insulation Resistance	>5000 MΩ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel or Stainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

Range		Dimension												
kN	Equivalent t	A	B	C	D	E	Fl	G	H	ø	ø1	ø2	ø3	ø4
0.1~5	10 ~500	123	13	18	82	45	59	22	20	45	8.5	27	32	11
7~10	700~1000	210	15	40	133	93	64	34	25	60	13	35	50	14

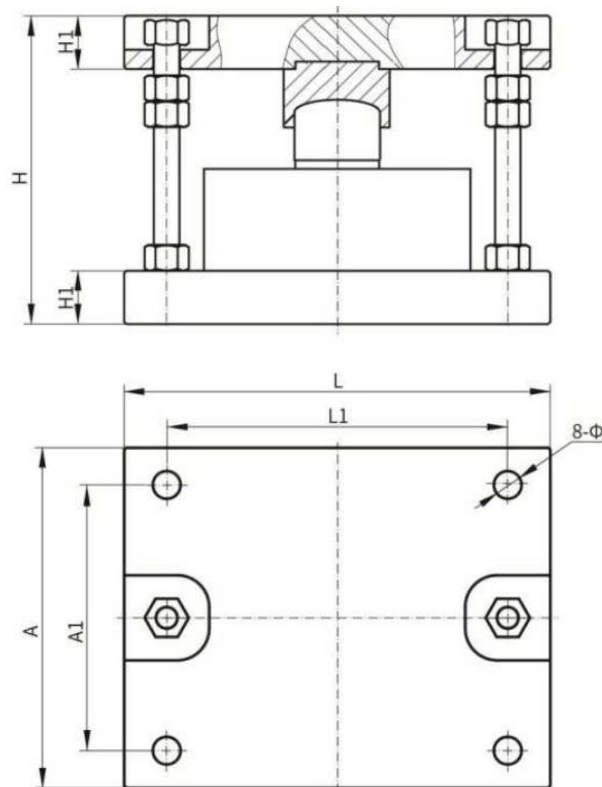


VTJH-4M Weight Module



Classic product, mature and reliable, high precision, fatigue resistance, partial load resistance, laser welding, good sealing performance, can be used by pulling and pressing. It is suitable for measurement and control of electronic scales, belt scales, hopper scales and other force values.

Range	Dimension							
	Equivalent t	L	L1	A	AI	H	HI	∅
5~70	0.5-7	160	135	115	90	100	20	11
100-250	10-25	200	160	160	125	145	25	13
300-500	30-50	240	200	180	135	175	30	17
600-1000	60-100	300	260	240	200	240	35	17
2000	200	400	350	340	280	319	47	21

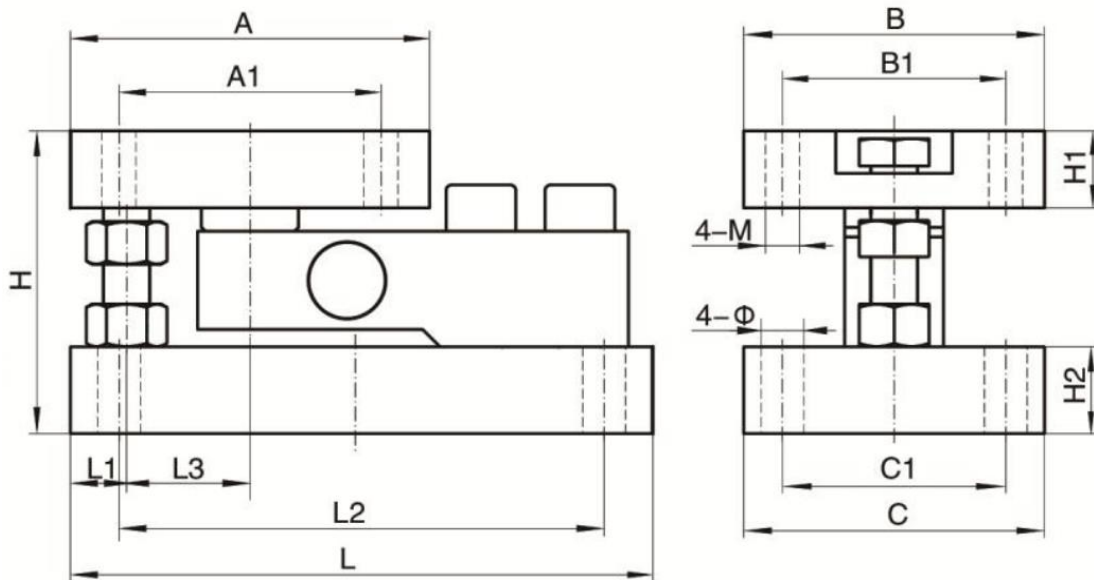


VTJH-5M Weight Module



Classic product, mature and reliable, high precision, fatigue resistance, partial load resistance, laser welding, good sealing performance, can be used by pulling and pressing. It is suitable for measurement and control of electronic scales, belt scales, hopper scales and other force values.

Range		Dimension														
kN	Equivalent t	A	AI	B	BI	C	CI	L	LI	L2	L3	H	HI	H2	M	e
0.5-1	0.05-0.1	110	95	100	80	100	80	180	10	160	45	85	20	20	8	10
2~10	0.2-1	150	125	125	100	125	100	210	20	180	70	110	25	25	10	12
15-50	1.5-5	175	135	150	115	150	115	260	25	220	72.5	145	35	30	16	18
70-100	7~10	185	135	155	115	155	115	300	25	250	67.5	157	45	40	20	22
150-200	15-20	220	180	210	170	210	170	400	30	350	90	220	55	55	24	26



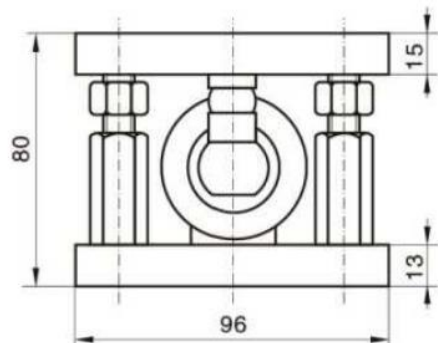
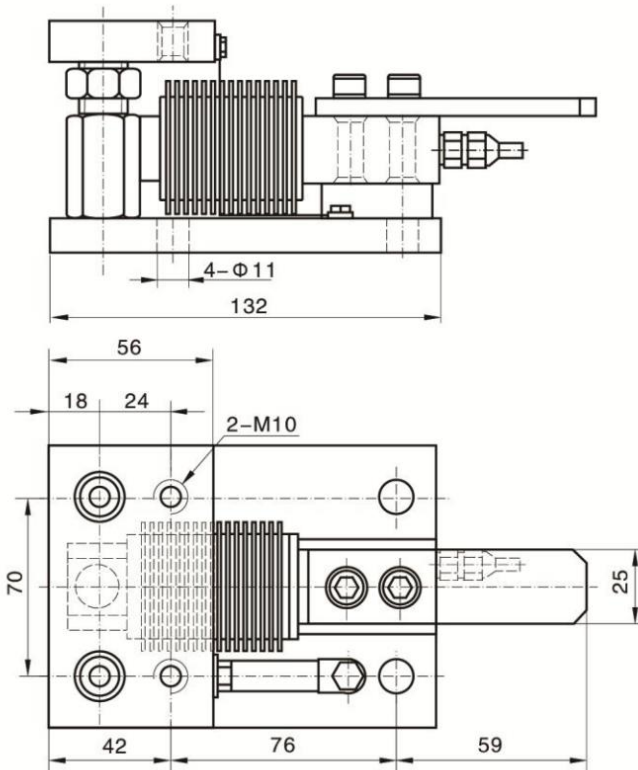


VTJH-8M Bending Load Cell

Weight Module

Classic product, mature and reliable, high precision, fatigue resistance, partial load resistance, laser welding, good sealing performance, can be used by pulling and pressing. It is suitable for measurement and control of electronic scales, belt scales, hopper scales and other force values.

Range		Dimension														
kN	Equivalent t	A	Al	B	Bl	C	Cl	L	LI	L2	L3	H	HI	H2	M	e
0.5-1	0.05-0.1	110	95	100	80	100	80	180	10	160	45	85	20	20	8	10
2~10	0.2-1	150	125	125	100	125	100	210	20	180	70	110	25	25	10	12
15-50	1.5-5	175	135	150	115	150	115	260	25	220	72.5	145	35	30	16	18
70-100	7~10	185	135	155	115	155	115	300	25	250	67.5	157	45	40	20	22
150-200	15-20	220	180	210	170	210	170	400	30	350	90	220	55	55	24	26



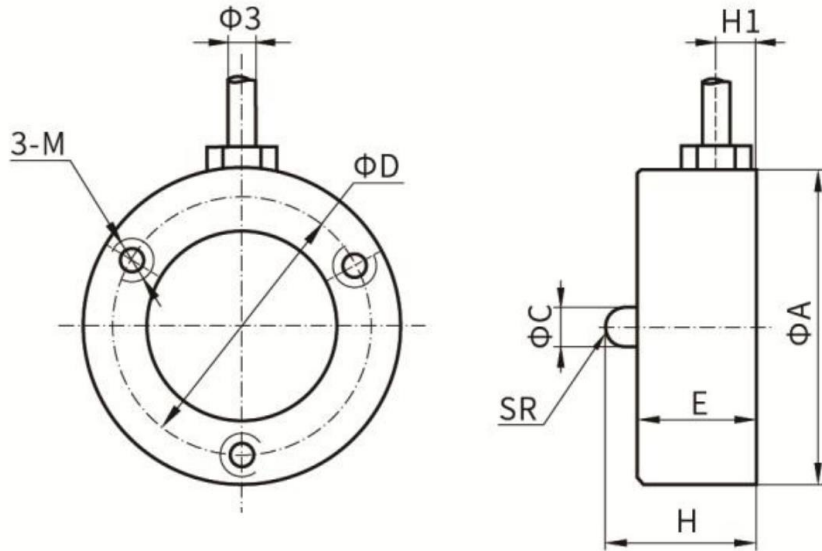


VTJH10-Micro Load Cell

Stainless steel material, beautiful and elegant, small size. It is suitable for force measurement occasions with limited space.

技术参数 TECHNICAL PARAMETER		
Rated Load	0.1~20 (kN)	
Comprehensive Precision	0.5 %F · S	
Sensitivity	1.0~1.5 mV/V	
Creep	±0.05%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.05%F-S/10°C	
Temperature Effect On Output	±0.05%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±20Q	
Output Resistance	350±3 Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel or Stainless Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

Range		Dimension							
kN	Equivalent t	ϕA	ϕC	ϕD	H	E	M	HI	SR
0.1~2	10~200	20	2.5	15.5	12	10	M3	3.5	6
3~10	300~1000	26	5	18.5	15	11.5	M4	3.5	6
20	2000	30	8	20	18	14	M4	6	15

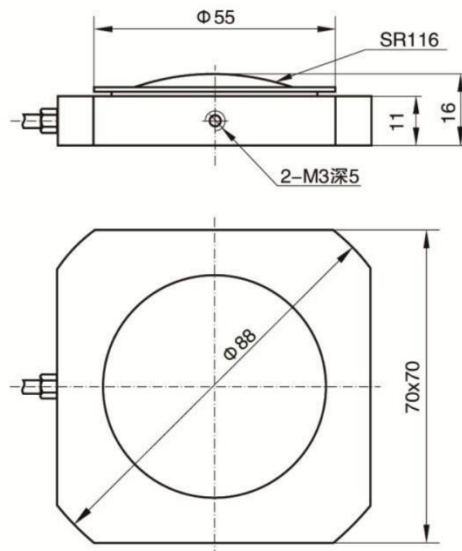




TJH-11 Pedal Force Sensor

Low height, easy installation, strong anti-eccentric load capacity, and good sealing performance. Brake force detection for vehicles.

TECHNICAL PARAMETER		
Rated Load	0.5~1.5 (kN)	
Comprehensive Precision	0.3 %F · S	
Sensitivity	1.5 mV/V	
Creep	±0.05%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.05%F-S/10°C	
Temperature Effect On Output	±0.05%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±20Q	
Output Resistance	350±3 Q	
Insulation Resistance	>5000 MQ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White



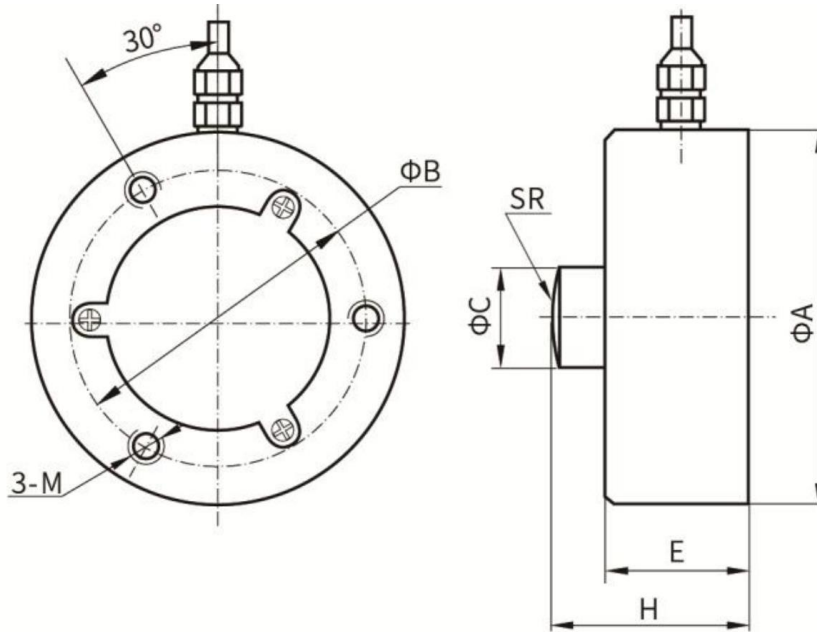


VTJH14- Membrane Sensor

Made of stainless steel, with strong anti-eccentric load capacity and double sealing, it is suitable for force value detection in various harsh environments.

TECHNICAL PARAMETER		
Rated Load	3~300 (kN)	
Comprehensive Precision	0.03~0.1 %F · S	
Sensitivity	2.0 mV/V	
Creep	±0.03%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.03%F-S/10°C	
Temperature Effect On Output	±0.03%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	380±10Ω或 750±15Ω	
Output Resistance	380±10Ω或 750±15Ω	
Insulation Resistance	>5000 MΩ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

Range		Dimension						
kN	Equivalent t	∅A	∅B	∅C	H	E	M	SR
3~10	0.3~1	78	64	15	40	32	M6	40
20~100	2~10	82	66	22	44	32	M8	50
150~300	15~30	127	90	25	70	62	M10	60



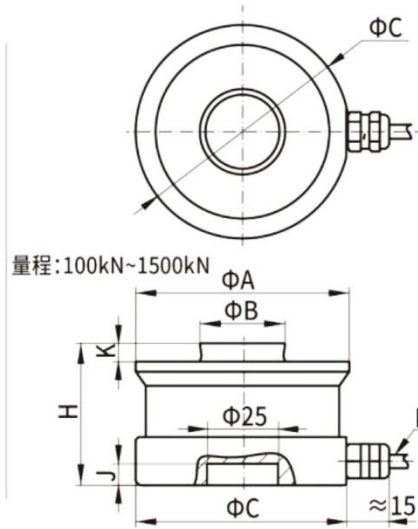
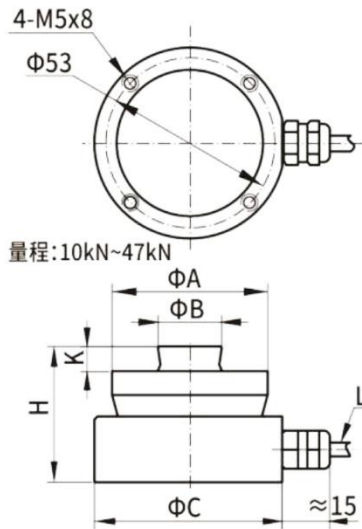


TJH-16 Twisted Ring Load Cell

The ring type load cell is made of stainless steel, with small size, strong anti-overload capability, large measuring range, high sensitivity, high precision and good anti-eccentric load performance. High impedance and low power consumption make it ideal for battery powered measurement units. Applicable to electronic weighing instruments, tensile testing machines and other weighing equipment occasions.

TECHNICAL PARAMETER		
Rated Load	10~1500 (kN)	
Comprehensive Precision	0.05~0.1 %F · S	
Sensitivity	2.85 mV/V	
Creep	±0.05%F-S/30min	
Zero Output	±1%F-S	
Temperature Effect On Zero	±0.05%F-S/10°C	
Temperature Effect On Output	±0.05%F-S/10°C	
Operating Temperature Range	-20°C ~ +65°C	
Input Resistance	4450±200Ω	
Output Resistance	4000±10Ω	
Insulation Resistance	> 5000 MΩ	
Safe Load Limit	150% F-S	
Bridge Voltage	Suggest 10V DC	
Material	Alloy Steel	
Wiring Definition	Input +	Red
	Input +	Black
	Output -	Green
	Input -	White

Range		Dimension						
kN	Equivalent t	∅A	∅B	∅C	H	J	K	L
10	1	48.9	20	60	43	-	8	10m
22	2.2	48.9	20	60	43	-	8	10m
47	4.7	48.9	20	60	43	-	8	10m
100	10	75	30	75	50	7.6	6.5	10m
150	15	75	30	75	50	7.6	6.5	10m
220	22	75	30	75	50	7.6	6.5	10m
330	33	95	40	95	65	7.6	10	10m
470	47	130	60	130	75	7.6	14	10m
680	68	130	60	130	85	7.6	14	10m
1000	100	150	70	150	90	7.6	16	10m
1500	150	150	70	150	100	7.6	16	10m
10	1	48.9	20	60	43	-	8	10m





L1015E

Piezoelectricity

Torsion ring type load cell

Torsion ring type weighing sensor is made of stainless steel, small in size, strong in overload resistance, large in range, high in sensitivity, high in accuracy, and good in eccentric load resistance. High impedance and low power consumption make it very suitable for battery powered measuring units. It is suitable for electronic scales, tensile testing machines and other weighing equipment.

Parameter	
Sensitivity (20±5°C)	~3.3mV/N
Measuring range	0~1500N
Linearity	≤1%F·S
Working Voltage	24~28V DC (Constant current source)
Working current	2~10mA (Typical 4mA)
Bias voltage	9~12V DC
Resonant frequency	> 70kHz
Operating temperature range	-40 ~ +120 °C
Physical parameters	
Weight	18g
Shell Material	High strength stainless steel
Installation	Through-hole φ6.1
Sensitive materials	quartz
Output mode	Side L5 socket
Accessories	
Connection Cable	2m one L5/one BNC shielded cable

