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Pressure pickup



Main applications

- Automation equipment
- Precision medicine
- New energy lithium batteries
- Robot
- Semiconductor
- Air Railway
- Colleges and universities



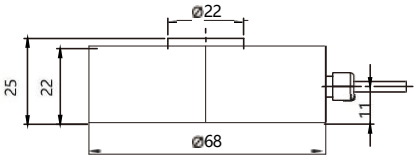
KDEV-L-09

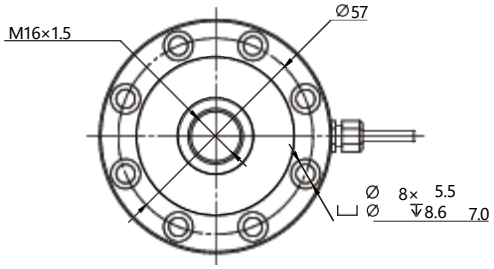
Customizable: high temperature

Product characteristics

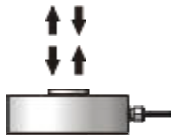
- The sensor adopts stainless steel shell, round shape, structure is strong and durable. It has good natural linearity, strong anti-eccentric load ability, high precision, low profile height, easy and stable installation. Widely used hopper scale, truck scale, track scale and other electronic scales.

Mounting dimensions





Force mode



Technical parameters

Measuring range	10/20/50/100/200/500 kg,1/2/3/5 T	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	±0.1%F.S.	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.1%F.S.	Temperature compensation range	- 10~40℃
Output sensitivity	1.0/2.0±10%mV/V	Operating temperature range	-20~60℃
Lag behind)	0.1%F.S	Recommended excitation voltage	5~ 10V
Service life	Over 1 million times	Maximum excitation voltage	12V
Materials	**stainless steel**	SAFE overload range	120%F.S
Cable specifications	Φ5mm×3m	Limit Overload Range	150%F.S
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

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KDEV-L-A0

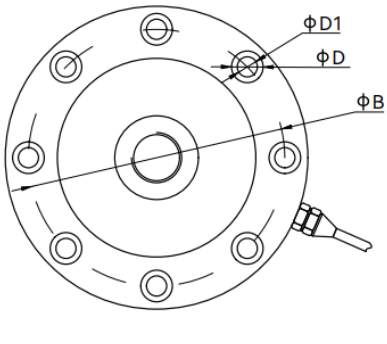
Customizable: high temperature

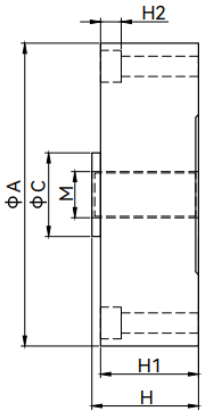


Product characteristics

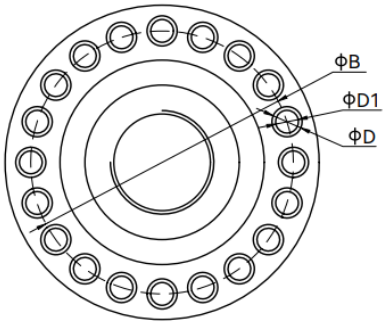
- It is made of sensor special alloy steel, sealed with adhesive, anodized on the surface, suitable for various working conditions, simple structure, convenient installation and double-direction stress. It is suitable for testing machine, hydraulic press, cold and hot press, electronic hook scale, Hopper scale, etc. .

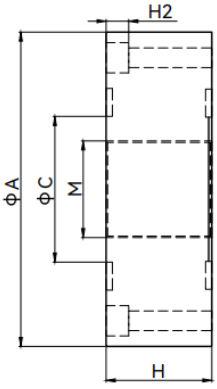
Mounting dimensions





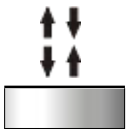
	ΦA	ΦB	ΦC	M	H	H1	H2	ΦD	ΦD1
20-1000kg	74	63	24	M16*1.5	34	30	7.2	8-Φ9	8-Φ6
1-5T	105	89	29	M16*1.5	37	34	7.2	8-Φ11	8-Φ7
10-20T	120.6	101.8	39	M32*1.5	53.5	41	10.5	8-Φ14	8-Φ9
30T	141	116.8	50.4	M40*1.5	57.2	50.8	11	8-Φ18	8-Φ11





量程	ΦA	ΦB	ΦC	M	H	H2	ΦD	ΦD1
40-80T	208	174	95	M64*3	70	15	16-Φ20	16-Φ13
100-200T	280	230	136	M76*3	90	20	16-Φ26	16-Φ17
300-400T	360	300	190	M100*3	110	20	20-Φ40	20-Φ25
500-600T	420	370	266	M130*4	140	30	20-Φ42	20-Φ28
800-1000T	500	440	330	M200*4	170	30	12-Φ42	12-Φ28

Force mode



Technical parameters

Measuring range	20/50/100/200/500/1000 kg，1/2/3/5/10/20/30/50/100/200/300/400/500/600/800/1000 T			
Composite Error	20kg-5T	≤±0.05%	Cable specifications	Φ5mm×3m
	10-80T	≤±0.1%		
	100-400T	≤±0.2%		
	500-1000T	≤±0.5%		
Non-linear	≤0.05-0.5%		Sensitivity temperature effect	±0.03%F.S/10℃
Sensitivity	2.0±10%mV/V		Zero temperature effect	±0.03%F.S/10℃
Creep	±0.03%F.S/30min		Temperature compensation range	-20~60℃
Zero output	±1.0%F.S		Operating temperature range	-20~80℃
Excitation voltage	5~15V		SAFE overload range	150%F.S
Insulation Resistance	≥5000MΩ/100V DC		Limit Overload Range	200%F.S
Impedance	20- 1000kg: 700/1400Ω		1-30T: 700Ω 50- 1000T:1400Ω	
Protection level	Ip66			

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KDEV-L-A1

Customizable: high temperature

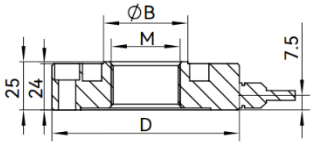
Product characteristics

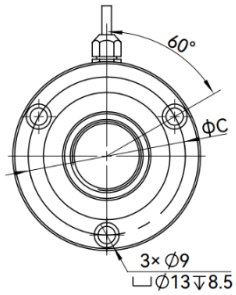
- Using The special sensor for lithium battery is characterized by high precision, good tightness and strong load-carrying capacity. It can also be used in various force measuring and weighing systems of industrial automation.



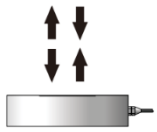
Mounting dimensions

Measuring range	D	M	ΦC	ΦB
2-3T	Φ98	M36*2	82	44
4-10T	Φ118	M42*2	98	56





Force mode



Technical parameters

Measuring range	2/3/4/5/10 T	Sensitivity temperature effect	±0.1%F.S/10℃
Composite Error)	≤±0.3%	Zero temperature effect	±0.1%F.S/10℃
Non-linear)	0.3%	Temperature compensation range	-10~40℃
Sensitivity)	2.0±0.1%mV/V	Operating temperature range	-20~65℃
Creep)	±0.05%F.S/30min	Excitation voltage	5~12V
Zero output)	±1.0%F.S	SAFE overload range	150%F.S
Input impedance)	760±5Ω	Limit Overload Range	200%F.S
Output impedance)	700±5Ω	Cable specifications	Φ6mm×2m
Insulation Resistance)	≥5000MΩ/100V DC	Protection level	Ip66



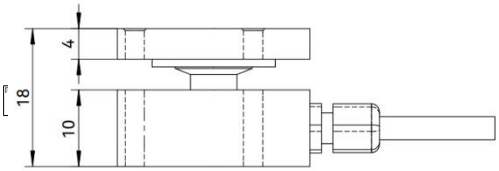
KDEV-L-C0

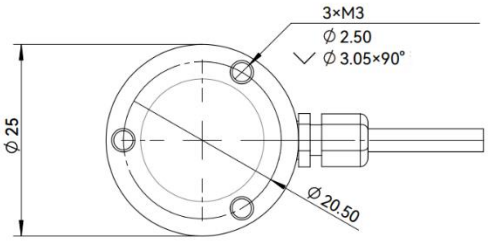
Customizable: high temperature waterproof

Product characteristics

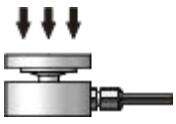
- Small shape, large stress area, stainless steel material, suitable for a variety of small space force measurement, widely used in industrial R & D and other fields of measurement and control.

Mounting dimensions





Force mode



Technical parameters

Measuring range	5/10/20/50/100/200/500/1000/2000 kg	Sensitivity temperature effect	±0.1%F.S/10℃
Composite Error	≤±0.3%	Zero temperature effect	±0.1%F.S/10℃
Non-linear	0.3%	Temperature compensation range	-10~60℃
Sensitivity	1.5±20%mV/V	Operating temperature range	-20~80℃
Creep	±0.1%F.S/30min	Excitation voltage	5~ 15V
Zero output	±1.0%F.S	SAFE overload range	150%F.S
Input impedance	350±50Ω	Limit Overload Range	200%F.S
Output impedance	350±5Ω	Cable specifications	Φ3mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip67

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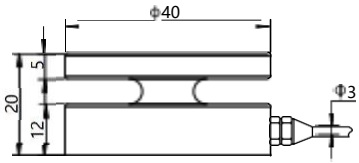
KDEV-L-C1

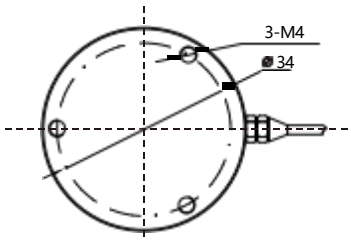
Customizable: high temperature waterproof

Product characteristics

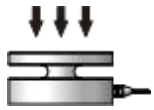
- Small shape, large stress area, upper and lower flange fixed, stainless steel material, suitable for plane force measurement applications, widely used in industrial R & D and other fields of measurement and control.

Mounting dimensions





Force mode



Technical parameters

Measuring range	10/20/50/100/200/500/1000 kg	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.2%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.2%	Temperature compensation range	-10~60℃
Sensitivity	1.5±20%mV/V	Operating temperature range	-20~80℃
Creep	±0.1%F.S/30min	Excitation voltage	5~15V
Zero output	±1.0%F.S	SAFE overload range	150%F.S
Input impedance	800~1000Ω	Limit Overload Range	200%F.S
Output impedance	800~1000Ω	Cable specifications	Φ3mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip67



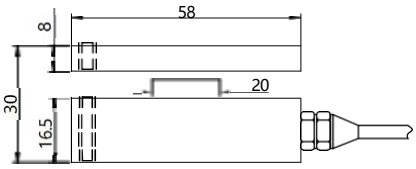
KDEV-L-C2

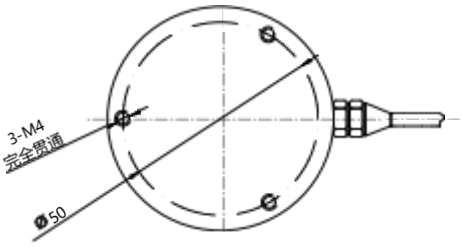
Customizable: high temperature waterproof

Product characteristics

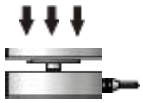
- Large stress area, upper and lower flange fixed, stainless steel material, suitable for a variety of small space force measurement, weighing is widely used in industrial r & D and other fields of measurement and control.

Mounting dimensions





Force mode



Technical parameters

Measuring range	20/30/50/100/200/300/500 kg, 1/2/3/5/10 T	Sensitivity temperature effect	±0.1%F.S/10℃
Composite Error	≤±0.3%	Zero temperature effect	±0.1%F.S/10℃
(Non-linear	0.3%	Temperature compensation range	-10~60℃
Sensitivity	1.5±20%mV/V	Operating temperature range	-20~80℃
Creep	±0.1%F.S/30min	Excitation voltage	5~15V
Zero output	±1.0%F.S	SAFE overload range	150%F.S
Input impedance	350±50Ω	Limit Overload Range	200%F.S
Output impedance	350±5Ω	Cable specifications	Φ5mm×3m
Insulation Resistance)	≥5000MΩ/100V DC	**Protection level**	Ip67

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KDEV-L-C3

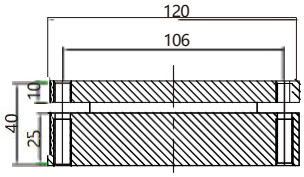
Customizable: high temperature waterproof

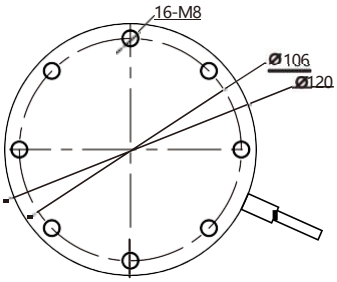


产品特点 / Product characteristics

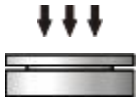
- Low height, large stress area, stainless steel material, suitable for a variety of small space force measurement, widely used in industrial R & D and other fields of large range measurement and control.

Mounting dimensions





Force mode



Technical parameters

Measuring range	0.5T/IT/2T/3T/5T/10T	Insulation resistance	≥5000MΩ/100V(DC)
Output sensitivity	2.0±10%	Temperature sensitivity drift	0.1%F.S/10℃
Zero output	0.05F.S	Output impedance	0.1%F.S/10℃
Supply Voltage	5~12VDC	Sensitivity to temperature effects	0.1%F.S/10℃
Comprehensive accuracy	0.2%	Zero temperature drift	0.1%F.S/10℃
Non-linearity	0.2%F.S	Temperature compensation range	-10~60℃
Repeatability	0.2%F.S	Operating temperature range	-20~80℃
Input Resistance	700±10Ω	SAFE overload	150%F.S
Output Resistance	700±5Ω	Ultimate overload	200%F.S
Cable specifications	Φ5mm×3m		

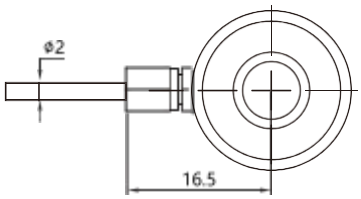


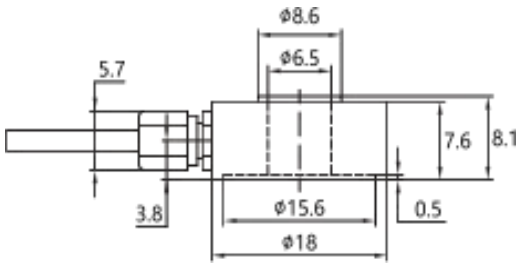
KDEV-L-D01

Product characteristics

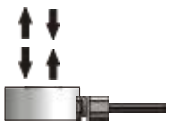
- Adopt high precision resistance strain type principle, stainless steel material, sealing welding oil-proof, waterproof, corrosion-resistant. Circular structure design, pressure bearing, easy to install and use, mainly used in automotive, medical, robotics, electronics, mechanical equipment, automation equipment.

Mounting dimensions





Force mode



Technical parameters

Measuring range	0-5/10/20/30/ 50 kg	Temperature sensitivity drift	± 0.1% F.S. / 10℃
Output sensitivity	1.5 ± 10% mV/V	Zero temperature drift	± 0.1% F.S. / 10℃
Zero output	± 2 % F.S.	Use voltage	3 ~ 5V
Nonlinear	± 0.5% F.S.	Operating temperature range	- 20 ~ 80 ℃
Lag	± 0.5% F.S.	Compensation temperature range	- 10 ~ 60 ℃
Repeatability	± 0.5% F.S.	Safety overload	120%
Creep (30 min	± 0.05% F.S.	Extreme overload	150%
Input impedance	350(700) ±10Ω	Cable specifications	Φ2mm×3m
Output impedance	350(700) ±5Ω	Material	Stainless Steel
Insulation Resistance	≥5000MΩ/100VDC	Protection level	IP65

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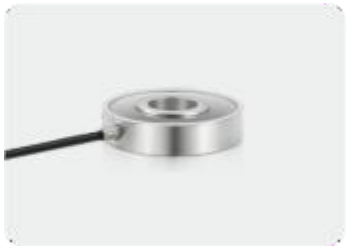


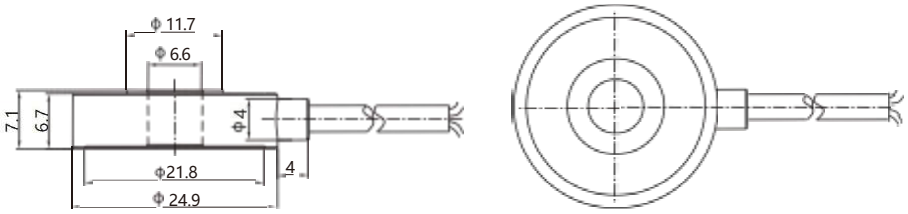
KDEV-L-D0

Customizable: high temperature

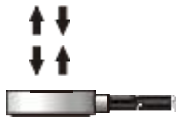
Product characteristics

- Low height, small deformation, small size, ring design, stainless steel material, high dynamic response frequency. Suitable for pressing parts, automatic assembly, 3C product test, New Energy Product Assembly, medical inspection, robotics field.

Mounting dimensions



Force mode



Technical parameters

Measuring range	5/10/20/50/100 kg	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.5%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.5%	Temperature compensation range	-10~60℃
Sensitivity	1.5±20%mV/V	Operating temperature range	-20~80℃
Creep	±0.5%F.S/30min	Excitation voltage	5~12V
Zero output	±2.0%F.S	SAFE overload range	150%F.S
Input impedance	700±20Ω	Limit Overload Range	200%F.S
Output impedance	700±10Ω	Cable specifications	Φ2mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

KDEV-L-D1

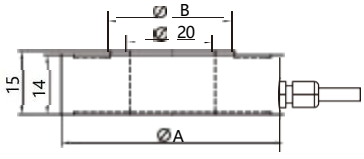
Customizable: high temperature

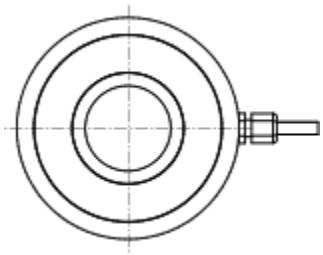
Product characteristics

- Special stainless steel material, high dynamic response frequency. Suitable for automobile press assembly, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, measurement and control systems.



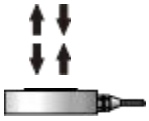
Mounting dimensions





	A	B
10/20/50/100/200/500 kg 1/2/3/5 T	52	29
10/15/20 T	62	34

Force mode



Technical parameters

Measuring range	10/20/50/100/200/500 kg, 1/2/3/5/10/15/20 T	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.5%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.5%	Temperature compensation range	-10~60℃
Sensitivity	1.5±20%mV/V	Operating temperature range	-20~80℃
Creep	±0.1%F.S/30min	Excitation voltage	5~ 12V
Zero output	±2.0%F.S	SAFE overload range	150%F.S
Input impedance	780±20Ω	Limit Overload Range	200%F.S
Output impedance	700±10Ω	Cable specifications	Φ3mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

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KDEV-L-D2

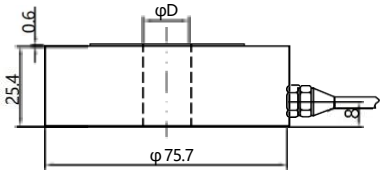
Customizable: high temperature

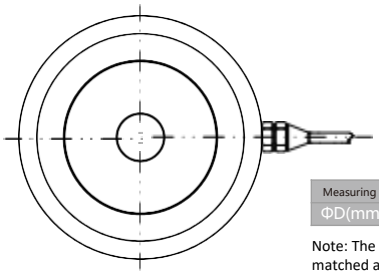


Product characteristics

- Small size, large range, sensor special stainless steel. Suitable for all kinds of small space force measurement, thread force monitoring, widely used in industLj, research and development and other fiields of measurement control.

Mounting dimensions

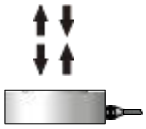




Measuring range	1/2/3/5/10/20 T
ΦD(mm)	7/9/11/15/17/19/21/25/32

Note: The inner diameter and range can be freely matched and customized

Force mode



Technical parameters

Measuring range	1/2/3/5/10/20 T	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.5%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.5%	Temperature compensation range	-10~60℃
Sensitivity	1.5±0.05%mV/V	Operating temperature range	-20~80℃
Creep	±0.5%F.S/30min	Excitation voltage	5~12V
Zero output	±2.0%F.S	SAFE overload range	150%F.S
Input impedance	780±20Ω	Limit Overload Range	200%F.S
Output impedance	700±10Ω	Cable specifications	Φ5mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66



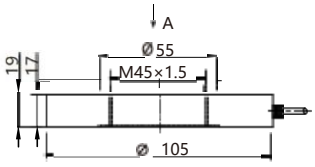
KDEV-L-D4

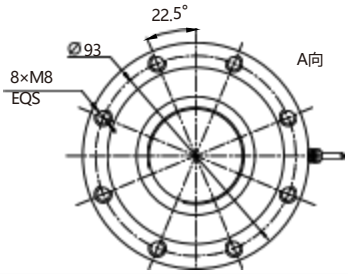
Customizable: high temperature

Product characteristics

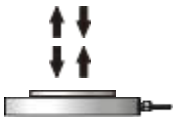
The sensor has the advantages of low profile, anti-eccentric load, high precision, good strength, easy installation and good symmetLj of tension and compression output. Application: widely used in industrial system of force measurement and crane scale, rail scale, hopper scale and other weighing, force measurement of industrial automation measurement and control system.

Mounting dimensions





Force mode



Technical parameters

Measuring range	50/100/200/500 kg， 1/2/5 T	Sensitivity temperature effect	±0.1%F.S/10℃
Composite Error	±0.3%F.S.	Zero temperature effect	±0.1%F.S/10℃
Non-linear	0.2%F.S.	Temperature compensation rang	-10~40℃
Output sensitivity	1.0/2.0±10%mV/V	Operating temperature range	-20~60℃
Lag behind	0.15%F.S	Recommended excitation voltage	5~10V
Service life	100万次以上	Maximum excitation voltage	12V
Materials	合金钢	SAFE overload range	120%F.S
Cable specifications	Φ5mm×3m	Limit Overload Range	150%F.S
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

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KDEV-L-D5

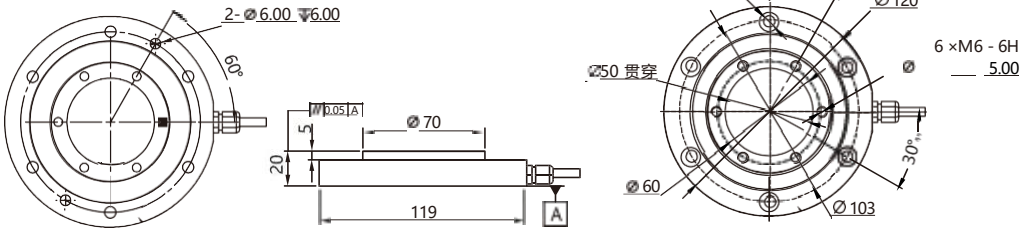
Customizable: high temperature



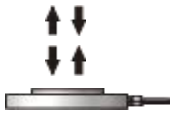
Product characteristics

- This product adopts high-quality alloy steel, advanced elastomer processing technology, small size, low mounting table, stable and reliable performance. It is suitable for measuring force value under special temperature environment or cooperating with computer control system to test and collect data.

Mounting dimensions



Force mode



Technical parameters

Measuring range	50/100/200/500 kg, 1/2/3/5 T	Sensitivity temperature effect	±0.15%F.S/10℃
Composite Error	±0.3%F.S.	Zero temperature effect	±0.15%F.S/10℃
Non-linear	0.3%F.S.	Temperature compensation range	-10~40℃
Output sensitivity	1.0/2.0±10%mV/V	Operating temperature range	-20~60℃
Lag behind	0.1%F.S	Recommended excitation voltage	5~10V
Service life	Over 2 million times	Maximum excitation voltage	12V
Materials	**alloy steel**	SAFE overload range	120%F.S
Cable specifications	Φ5mm×3m	Limit Overload Range	150%F.S
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

KDEV-L-E11

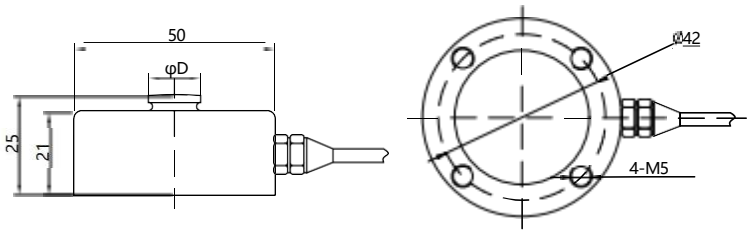
Customizable: high temperature waterproof



Product characteristics

- Adopt sensor special stainless steel material, repeatability, high reliability, long-term stability, small figure large range. Widely used in pressure testing machine, workpiece pressing, material testing machine and other industrial automation equipment.

Mounting dimensions



(T)	D	
0.05/0.1/0.2/0.5/1/2	13	0.4kg
5	16	0.4kg
10/15	20	0.4kg

Force mode



Technical parameters

Measuring range	0.05/0.1/0.2/0.5/1/2/5/10/15 T	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.2%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.2%	Temperature compensation range	-10~60℃
Sensitivity	2.0±10%mV/V	Operating temperature range	-20~80℃
Creep	±0.1%F.S/30min	Excitation voltage	5~ 12V
Zero output	±2.0%F.S	SAFE overload range	120%F.S
Input impedance	750±10Ω	Limit Overload Range	150%F.S
Output impedance	700±5Ω	Cable specifications	Φ5mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

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KDEV-L-E12

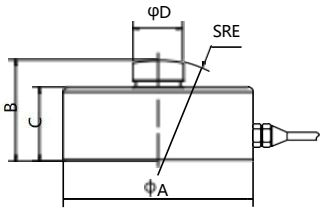
Customizable: high temperature waterproof

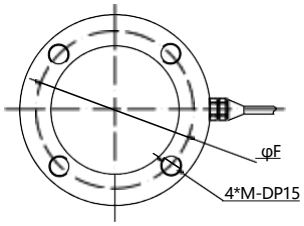


Product characteristics

- Stainless steel material, high precision, long-term stability, good repeatability, high reliability, widely used in pressure testing machine, Hopper said, material testing machine, Belt said and other automation equipment.

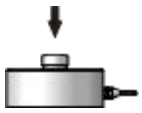
Mounting dimensions





(T)	A	B	C	D	E	F	M
0.5/1/2/3/5/10	82	44	32	22	50	68	M8
15/20	100	48	36	28	100	80	M8
30	126	54	40	35	100	101	M10
50/100	165	80	62	60	150	144	M10

Force mode



Technical parameters

Measuring range	0.5/1/2/3/5/10/15/20/30/50/100 T	Sensitivity temperature effect	±0.03%F.S/10℃
Composite Error	≤±0.2%	Zero temperature effect	±0.03%F.S/10℃
Non-linear	0.2%	Temperature compensation range	-10~60℃
Sensitivity	2.0±0.01%mV/V	Operating temperature range	-20~80℃
Creep	±0.1%F.S/30min	Excitation voltage	5~ 15V
Zero output	±2.0%F.S	SAFE overload range	120%F.S
Input impedance	750±10Ω	Limit Overload Range	150%F.S
Output impedance	700±5Ω	Cable specifications	Φ5mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

KDEV-L-E3

Customizable: high temperature waterproof



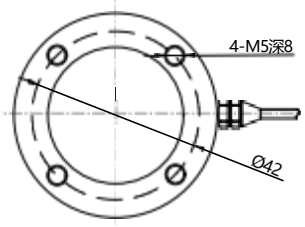
Mounting dimensions

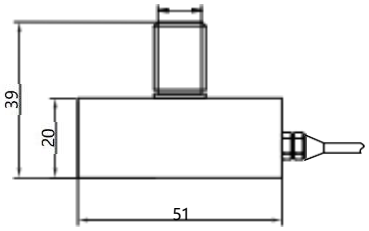
Product characteristics

- Compact structure, high comprehensive precision, good long-term stability, high dynamic response frequency, high-quality stainless steel material. Application: Auto Pressing, automatic assembly, 3C product test, New Energy Product Assembly, medical inspection, Robot Field, die assembly and other industrial testing, automation equipment and testing fields.

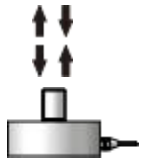
M

Force mode





	M
0.05-2T	M12
2.5-5T	M16



Technical parameters

Measuring range)	0.05/0.1/0.2/0.3/0.5/1/2/3/5 T	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error)	≤±0.3%	Zero temperature effect	±0.05%F.S/10℃
Non-linear)	0.3%	Temperature compensation range	-10~60℃
Sensitivity)	2.0±10%mV/V	Operating temperature range	-20~80℃
Creep)	±1%F.S/30min	Excitation voltage	5~ 12V
Zero output)	±2.0%F.S	SAFE overload range	150%F.S
Input impedance)	750±20Ω	Limit Overload Range	200%F.S
Output impedance)	700±10Ω	Cable specifications	Φ4mm×3m
Insulation Resistance)	≥5000MΩ/100V DC	Protection level	Ip66

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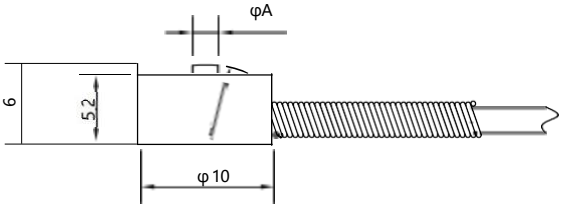
KDEV-L-F0

Customizable: high temperature

Product characteristics

- A miniature sensor made of special materials for sensors. It is widely used in industry, R & D and other fields of measurement and control.

Mounting dimensions



	A
5-30kg	1.5
5-100kg	2.5

Force mode



Technical parameters

Measuring range	5/10/20/30/50/100 kg	Sensitivity temperature effect	±0.1%F.S/10℃
Composite Error	≤±0.3%	Zero temperature effect	±0.1%F.S/10℃
Non-linear	0.3%	Temperature compensation range	- 10~60℃/-20~120℃
Sensitivity	1.0/2.0±10%mV/V	Operating temperature range	-20~80℃/-40~ 160℃
Creep	±0.5%F.S/30min	Excitation voltage	5~12V
Zero output	±2.0%F.S	SAFE overload range	150%F.S
Input impedance	350±10/800~1100Ω	Limit Overload Range	200%F.S
Output impedance	350±5/800~1100Ω	Cable specifications	Φ2mm×1.5m
Insulation Resistance	≥2000MΩ/100V DC	Protection level	Ip66



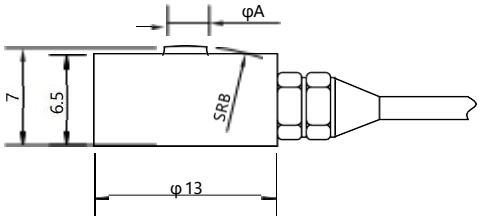
KDEV-L-F01

Customizable: high temperature waterproof

Product characteristics

- The micro-sensor made of special materials for sensors has the characteristics of small volume and large range. It is widely used in the measurement and control of Industrial R & D and other fields.

Mounting dimensions



(kg)	A	B
2/5/10/20	2	10
30/50/100/200	3	18

Force mode



Technical parameters

Measuring range	2/5/10/20/30/50/100/200 kg	Sensitivity temperature effect	±0.1%F.S/10℃
Composite Error	≤±0.3%	Zero temperature effect	±0.1%F.S/10℃
Non-linear	0.3%	Temperature compensation range	-10~60℃
Sensitivity	1.0/2.0±10%mV/V	Operating temperature range	-20~80℃
Creep	±0.5%F.S/30min	Excitation voltage	5~12V
Zero output	±2.0%F.S	SAFE overload range	150%F.S
Input impedance	350±10/800~1100Ω	Limit Overload Range	200%F.S
Output impedance	350±5/800~1100Ω	Cable specifications	Φ2mm×2m
Insulation Resistance	≥2000MΩ/100V DC	Protection level	Ip66

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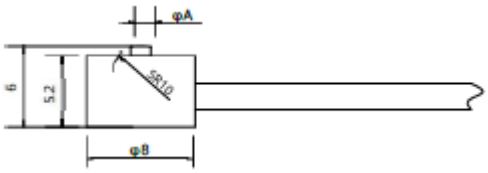
KDEV-L-F02

Customizable: high temperature

Product characteristics

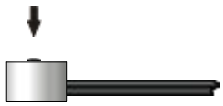
- A miniature sensor made of special materials for sensors. Low height, small diameter, suitable for all small space force measurement, widely used in industry, R & D and other fields of measurement and control.

Mounting dimensions



(kg)	A
1/2/3/5/10/20	1.6
50/100	2.3

Force mode



Technical parameters

Measuring range	1/2/3/5/10/20/50/100 kg	Sensitivity temperature effect	±0.25%F.S/10℃
Composite Error	≤±1%	Zero temperature effect	±0.25%F.S/10℃
Non-linear	1%	Temperature compensation range	-10~60℃
Sensitivity	1.0/2.0±10%mV/V	Operating temperature range	-20~80℃
Creep	±0. 5%F.S/30min	Excitation voltage	5~ 10V
Zero output	±2.0% F.S	SAFE overload range	150%F.S
Input impedance	350±5/800~1100Ω	Limit Overload Range	200%F.S
Output impedance	350±3/800~1100Ω	Cable specifications	Φ2mm×2m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66



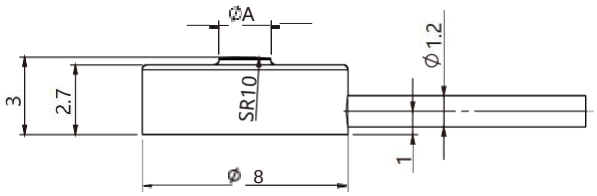
KDEV-L-F05

Customizable: high temperature

Product characteristics

- The micro-sensor is made of special materials for sensors and has an ultra-thin thickness. It is widely used in industry, R & D and other fields of measurement and control.

Mounting dimensions



(kg)	ΦA
2/5/10/20	2
30/50/100	2.3

Force mode



Technical parameters

Measuring range	2/5/10/20/30/50/100 kg	Sensitivity temperature effect	±0.15%F.S/10℃
Composite Error	±1%F.S.	Zero temperature effect	±0.15%F.S/10℃
Non-linear	1%F.S.	Temperature compensation range	-10~40℃
Sensitivity	1.0/2.0±10%mV/V	Operating temperature range	-20~60℃
Lag behind	0.2%F.S	Excitation voltage	5~ 10V
Service life	Over 1 million times	Maximum excitation voltage	12V
Materials	**stainless steel**	SAFE overload range	120%F.S
Cable specifications	Φ1.2mm×3m	Limit Overload Range	150%F.S
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

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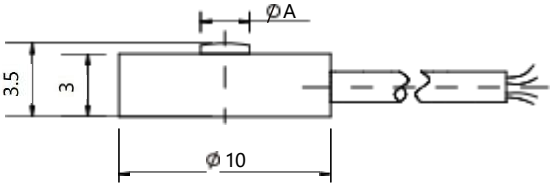
KDEV-L-F06

Customizable: high temperature

Product characteristics

- Made of high-quality stainless steel, small size, high precision, stable structure. It is convenient to be installed in narrow space and widely used in automatic equipment and other fields.

Mounting dimensions



(kg)	ΦA
2/5/10/20	2
30/50/100	2.3

Force mode



Technical parameters

Measuring range	2/5/10/20/50/100 kg	Sensitivity temperature effect	±0.25%F.S/10℃
Composite Error	≤±1%	Zero temperature effect	±0.25%F.S/10℃
Non-linear	1%	Temperature compensation range	- 10~60℃/-20~120℃
Sensitivity	1.0/2.0±10%mV/V	Operating temperature range	-20~80℃/-40~ 160℃
Creep	±0.25%F.S/30min	Excitation voltage	5~10V
Zero output	±2.0%F.S	SAFE overload range	120%F.S
Input impedance	350±5/800~1100Ω	Limit Overload Range	150%F.S
Output impedance	350±3/800~1100Ω	Cable specifications	Φ1.2mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66



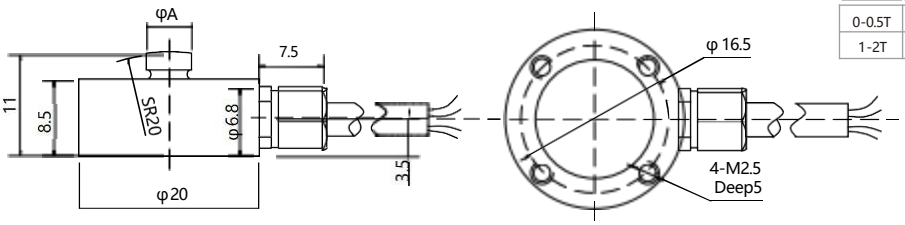
KDEV-L-F11

Customizable: high temperature waterproof

Product characteristics

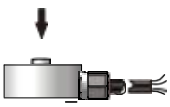
- The sensor is made of strain structure, small size, low height and all stainless steel. Customizable high-temperature performance, suitable for auto press assembly, automatic assembly, 3C product test, New Energy Product Assembly, medical inspection, robotics, and other industrial test and control systems.

Mounting dimensions



	A(mm)
0-0.5T	5
1-2T	7

Force mode



Technical parameters

Measuring range	2/5/10/20/50 kg, 0.1/0.2/0.5/1/2T	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.3%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.3%	Temperature compensation range	-10~60℃
Sensitivity	1.0/2.0±20%mV/V	Operating temperature range	-20~80℃
Creep	±0.5%F.S/30min	Excitation voltage	5~12V
Zero output	±2.0%F.S	SAFE overload range	150%F.S
Input impedance	350±5/800~1100Ω	Limit Overload Range	200%F.S
Output impedance	350±10/800~1100Ω	Cable specifications	Φ3mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

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KDEV-L-F12

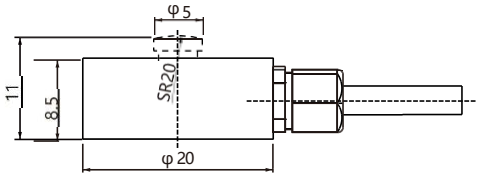
Customizable: high temperature waterproof

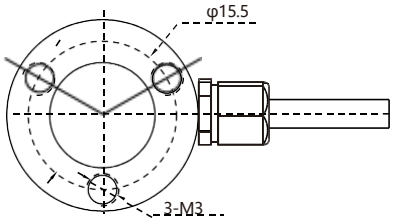


Product characteristics

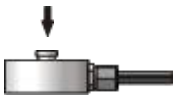
- Customizable high-temperature performance, for injection molding, extrusion and other manufacturing processes, for automotive assembly, automated assembly, 3C product testing, New Energy Product Assembly, medical testing, robotics, other industrial test control systems.

Mounting dimensions





Force mode



Technical parameters

Measuring range	3/5/10/20/30/50/100 kg	Insulation resistance	≥2000MΩ/50V DC
Output sensitivity	1.0/1.5mV/V	Temperature sensitivity drift	±0.05%F.S/10℃
Zero output	±2.0%F.S	Temperature compensation range	±0.05%F.S/10℃
Creep	0.1%F.S	Excitation voltage	5~ 10V
Non-linear	0.3%F.S	Maximum excitation voltage	15V
Lag behind	0.3%F.S	Temperature compensation range	- 10~60℃
Repeatability	0.05%F.S	Operating temperature range	-20~80℃
Input Resistance	350±5Ω	SAFE overload	120%F.S
Output Resistance	350±5Ω	Ultimate overload	200%F.S
Cable specifications	Φ3mm×3m	Protection level	Ip66

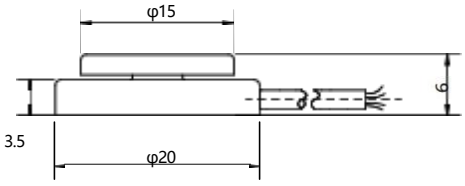
KDEV-L-F14

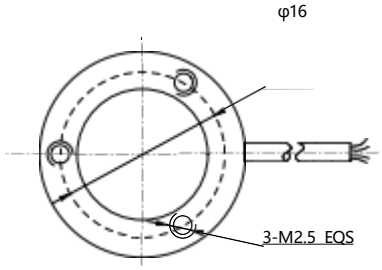
Customizable: high temperature



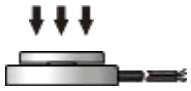
Product characteristics

- Low height, small deformation, small size, high dynamic response frequency, large stress area, customizable high temperature performance. For injection molding, backlogs and other manufacturing processes, suitable for automotive press assembly, automatic assembly, 3C product testing.





Force mode



Technical parameters

Measuring range	2/5/10/20/30/50 kg	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.5%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.5%	Temperature compensation range	- 10~60℃/-20~120℃
Sensitivity	1.0/2.0±20%mV/V	Operating temperature range	-20~80℃/-40~ 160℃
Creep	±0.5%F.S/30min	Excitation voltage	5~12V
Zero output	±2.0% F.S	SAFE overload range	150%F.S
Input impedance	350±5/800~1100Ω	Limit Overload Range	200%F.S
Output impedance	350±10/800~1100Ω	Cable specifications	Φ1.2mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

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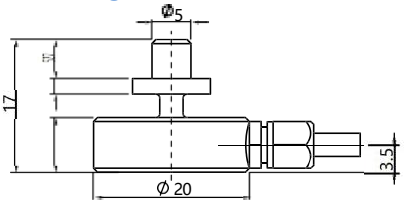
KDEV-L-F16

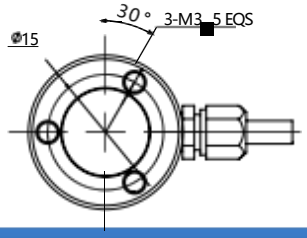
Customizable: high temperature waterproof

Product characteristics

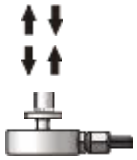
- Small size, light weight, all stainless steel material, corrosion resistance. Suitable for the occasion of limited space. It is mainly used in automobile pressing assembly, automatic assembly, 3C product test, New Energy Product Assembly, medical inspection, robot field, etc. .

Mounting dimensions





Force mode



技术参数 / Technical parameters

Measuring range	0-5/10/20/30/50/100 kg	Insulation resistance	≥5000MΩ/100V DC
Output sensitivity	1.5±10%mV/V	Temperature sensitivity drift	±0.1%F.S/10℃
Zero output	±1%m/V/V	Temperature compensation range	±0.1%F.S/10℃
Creep	≤0.1%F.S	Excitation voltage	5~ 12V
Non-linear	≤0.3%F.S	Maximum excitation voltage	15V
Lag behind	≤0.3%F.S	Temperature compensation range	- 10~40℃
Repeatability	≤0. 1%F.S	Operating temperature range	-20~60℃
Input Resistance	800~1100Ω	SAFE overload	150%F.S
Output Resistance	800~1100Ω	Ultimate overload	200%F.S
Cable specifications	Φ3mm×3m	Material	**stainless steel**

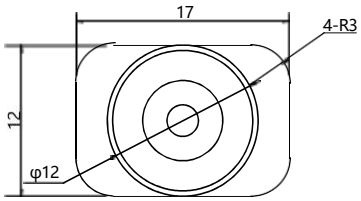


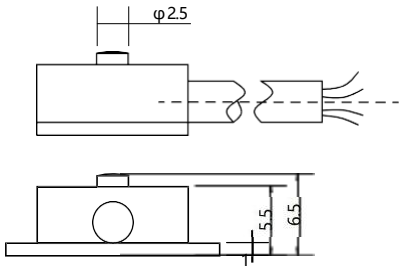
KDEV-L-F2

Product characteristics

- Using high-precision resistance strain type principle, stainless steel materials, sealed welding, oil-proof, waterproof, corrosion-resistant. Safe explosion-proof products, can be used in harsh environment and dangerous occasions. Small size, high dynamic response frequency.

Mounting dimensions





Force mode



Technical parameters

Measuring range	20-50 kg	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.3%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.3%	Temperature compensation range	- 10~60℃
Sensitivity	1.0/2.0±15%mV/V	Operating temperature range	-20~80℃
Creep	±0.5%F.S/30min	Excitation voltage	5~12V
Zero output	±2.0%F.S	SAFE overload range	150%F.S
Input impedance	350±10/800~1100Ω	Limit Overload Range	200%F.S
Output impedance	350±10/800~1100Ω	Cable specifications	Φ2mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

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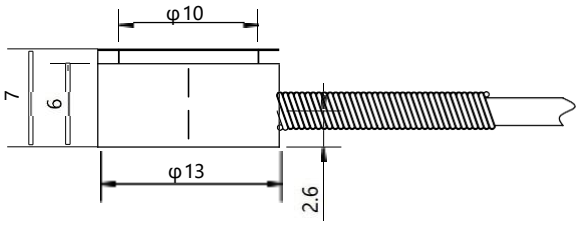
KDEV-L-F4

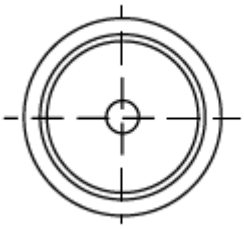


Product characteristics

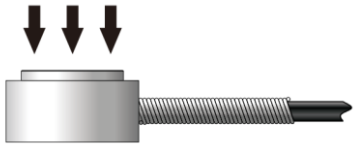
- Micro sensor, low height, small deformation, stainless steel material, high dynamic response frequency, mainly used in automation industry, robot grasping, pressing, tension pressure detection and control, automobile assembly force value detection.

Mounting dimensions





Force mode



Technical parameters

Measuring range	10/20 kg	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.5%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.5%	Temperature compensation range	-10~60℃
Sensitivity	1.2±10%mV/V	Operating temperature range	-20~80℃
Creep	±0.5%F.S/30min	Excitation voltage	5~12V
Zero output	±0.5%F.S	SAFE overload range	150%F.S
Input impedance	350±10Ω	Limit Overload Range	200%F.S
Output impedance	350±10Ω	Cable specifications	Φ2mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip66

KDEV-L-G1

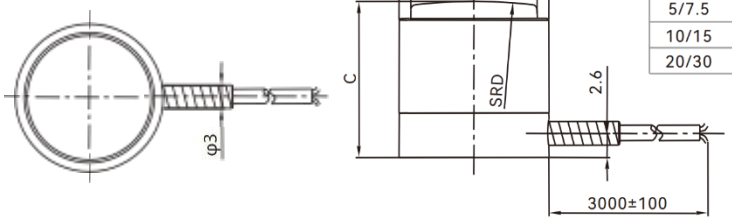
Customizable: high temperature



Product characteristics

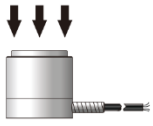
- Small size, large range, small deformation, special stainless steel material for sensor. It is widely used in many fields such as industry, R & D, automatic manufacture and so on.

Mounting dimensions



T	A	B	C	D
1/2	15.9	13.4	16.5	100
5/7.5	22.4	20.4	22.4	100
10/15	31.8	28.9	28.7	125
20/30	40	37	35	150

Force mode



Technical parameters

Measuring range)	1/2/5/7.5/10/15/20/30 T	Sensitivity temperature effect	±0.05%F.S/10℃
Composite Error	≤±0.5%	Zero temperature effect	±0.05%F.S/10℃
Non-linear	0.5%	Temperature compensation range	-10~60℃
Sensitivity	1.0/2.0±10%mV/V	Operating temperature range	-20~80℃
Creep	±0.5%F.S/30min	Excitation voltage	5~15V
Zero output	±2.0%F.S	SAFE overload range	200%F.S
Input impedance	380±20Ω	Limit Overload Range	300%F.S
Output impedance	350±10Ω	Cable specifications	Φ2mm×3m
Insulation Resistance	≥5000MΩ/100V DC	Protection level	Ip65

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