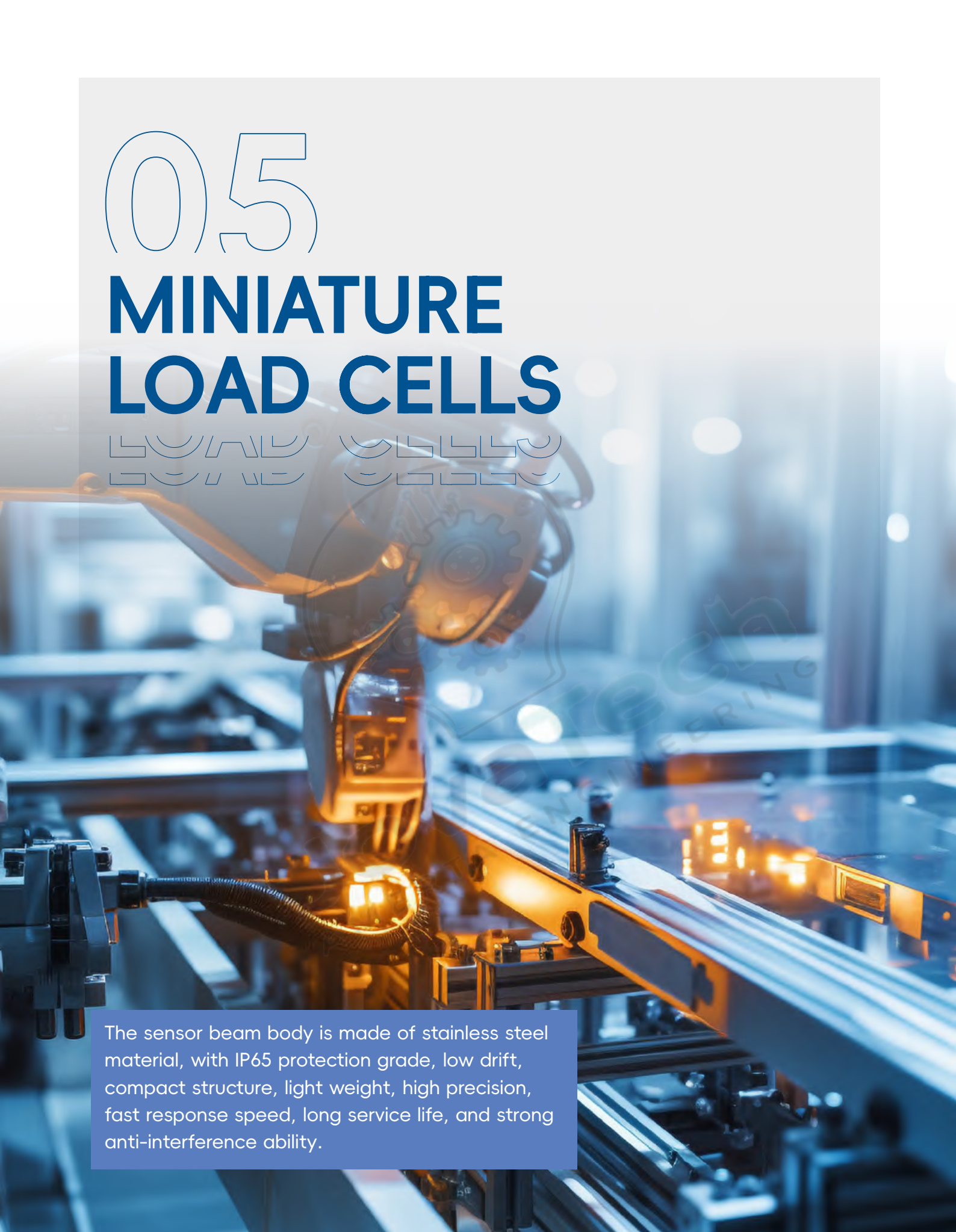
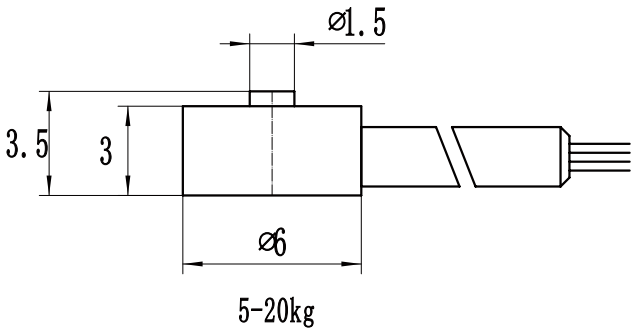
05
MINIATURE LOAD CELLS



The sensor beam body is made of stainless steel material, with IP65 protection grade, low drift, compact structure, light weight, high precision, fast response speed, long service life, and strong anti-interference ability.

DYHW-106 Miniature load cells





Product Reviews

Characteristic

The sensor beam body is made of stainless steel material, with IP65 protection grade, low drift, compact structure, light weight, high precision, fast response speed, long service life, and strong anti-interference ability.

Application Area

Measurement and control of the force

- Measurement And Control Of The Force
- Automation Equipment
- Age Tester
- Key Force Analysis
- Power Device

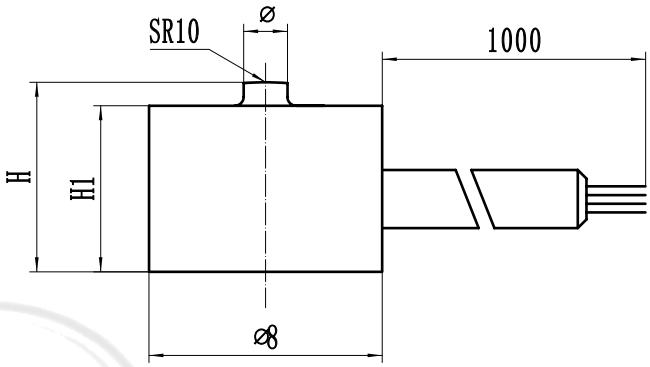
Parameters Table			
Range	5-20kg	Material quality	Stainless Steel
Output sensitivity	1.0-1.5mV/V	Impedance	350Ω
Zero point output	±2%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.5%F.S.	Service voltage	5-10v
Hysteresis	0.3%F.S.	Operating temperature range	-20-80°C
Repeatability	0.3%F.S.	Safe overload	120%
Creep (30 min)	0.2%F.S.	Extreme overload	150%
Temperature sensitivity drift	0.5%F.S./10°C	Cable line specifications	ϕ2x1m
Xero point temperature drift	0.5%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	Selectable

Model	Range (kg)	Φ	H	H1
DYHW-106-H6.5	5-20	1.5	6.5	5.5
	50-100	2.5	6.5	5.5
DYHW-106-H3.5	3-10	1.5	3.5	3
	20-30	2	3.5	3

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DYHW-108 Miniature load cells





Product Reviews

Characteristic

The sensor beam body is made of stainless steel material, with IP65 protection grade, low drift, compact structure, light weight, high precision, fast response speed, long service life, and strong anti-interference ability.

Application Area

Measurement and control of the force

- Measurement And Control Of The Force
- Automation Equipment
- Age Tester
- Key Force Analysis
- Power Device

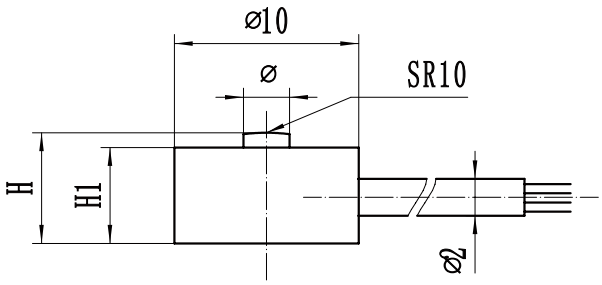
Parameters Table			
Range	1-100kg	Material quality	Stainless Steel
Output sensitivity	3-5kg:0.5-1.0mV/V 10-100kg:1.0-1.5mV/V	Impedance	350Ω
Zero point output	±2%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.5%F.S.	Service voltage	5-10v
Hysteresis	0.3%F.S.	Operating temperature range	-20-80℃
Repeatability	0.3%F.S.	Safe overload	120%
Creep (30 min)	0.2%F.S.	Extreme overload	150%
Temperature sensitivity drift	0.5%F.S./10℃	Cable line specifications	ф2x1m
Xero point temperature drift	0.5%F.S./10℃	Cable limit tension	10kg
Response frequency	10kHz	TEDS	Selectable

Model	Range (kg)	Φ	H	H1
DYHW-108-H6.5	3-30	1.5	6.5	5.5
	50-100	2.5	6.5	5.5
DYHW-108-H3.5	3-10	1.5	3.5	3
	20-30	2	3.5	3

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DYHW-110 Miniature load cells







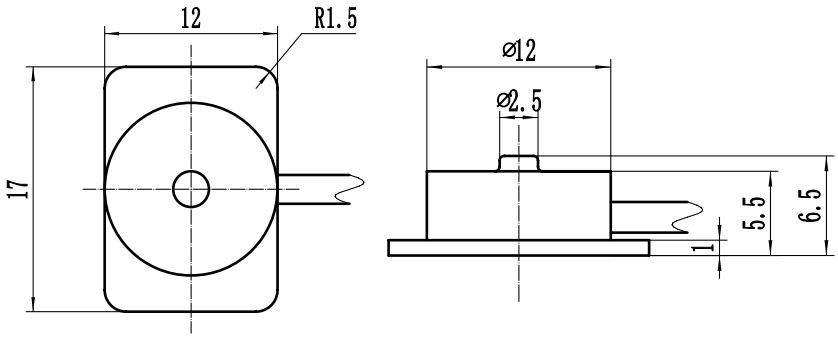
Parameters Table			
Range	1-100kg	Material quality	Stainless Steel
Output sensitivity	1.0-2.0mV/V	Impedance	350/500Ω
Zero point output	±2%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.5%F.S.	Service voltage	5-10v
Hysteresis	0.5%F.S.	Operating temperature range	-20-80°C
Repeatability	0.3%F.S.	Safe overload	120%
Creep (30 min)	0.1%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.5%F.S./10°C	Cable line specifications	ф2x1m
Xero point temperature drift	0.5%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	Selectable

Model	Range (kg)	Φ	H	H1
DYHW-110-H6	3-10	1.5	6	5.2
	20-30	2	6	5.2
	50-100	2.5	6	5.5
DYHW-110-H3.5	3-10	1.5	3.5	3
	20-30	2.5	3.5	3

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DYHW-112 Miniature load cells





Product Reviews

Characteristic

Low height, large contact area, reasonable design structure, high comprehensive precision, convenient installation. Cover large range.

Application Area

It is mainly used in electronic weighing equipment and testing equipment with large force area, such as:

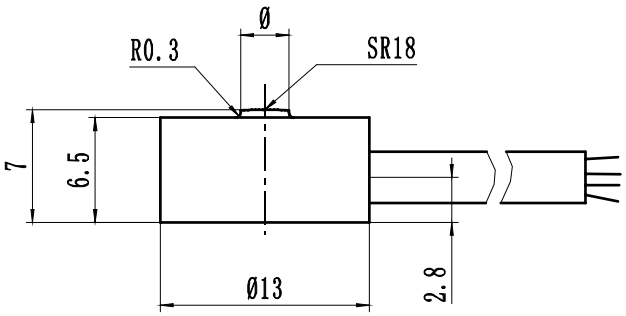
- Pressure Equipment
- Hydraulic Press
- Small Pressure Platform
- Tester
- Pressure Installed Capacity
- Hydraulic Press
- Cold Hot Press
- Electronic Load Weighing Scale

Parameters Table			
Range	50-500N	Material quality	Stainless Steel
Output sensitivity	1.0±15%mV/V	Impedance	800-1100Ω
Zero point output	±0.03mV/V	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.5%F.S.	Service voltage	10V DC
Hysteresis	0.2%F.S.	Operating temperature range	-20-80°C
Repeatability	0.2%F.S.	Safe overload	120%
Creep (30 min)	0.2%F.S.	Extreme overload	150%
Temperature sensitivity drift	0.05%F.S./10°C	Cable line specifications	ф2x3000mm
Xero point temperature drift	0.05%F.S./10°C	Cable limit tension	10kg
Response frequency	1kHz	TEDS	Selectable

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DYHW-113 Miniature load cells





Product Reviews

Characteristic

The sensor beam body is made of stainless steel material, with IP65 protection grade, low drift, compact structure, light weight, high precision, fast response speed, long service life, and strong anti-interference ability.

Application Area

Measurement and control of the force

- Measurement And Control Of The Force
- Automation Equipment
- Age Tester
- Key Force Analysis
- Power Device

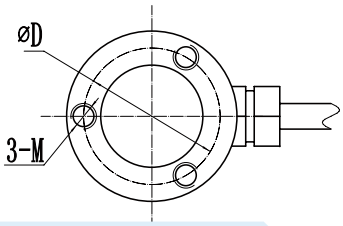
Parameters Table			
Range	0-200kg	Material quality	Stainless Steel
Output sensitivity	1.0-2.0mV/V	Impedance	500/1000Ω
Zero point output	±2%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.5%F.S.	Service voltage	5-10v
Hysteresis	0.5%F.S.	Operating temperature range	-20-80℃
Repeatability	0.3%F.S.	Safe overload	150%
Creep (30 min)	0.1%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.5%F.S./10℃	Cable line specifications	ф2x1m
Xero point temperature drift	0.5%F.S./10℃	Cable limit tension	10kg
Response frequency	10kHz	TEDS	Selectable

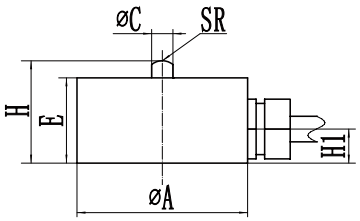
Range (kg)	Φ
5-20	Φ-2
30-200	Φ-3

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DYHW-116 Miniature load cells

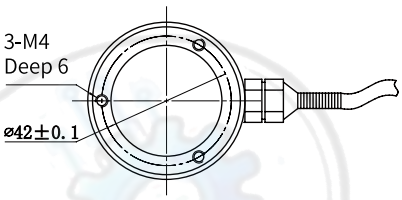


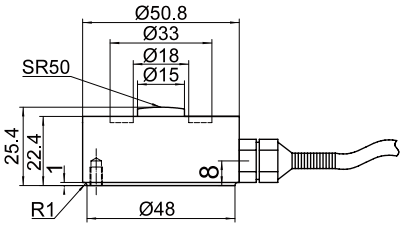




Range: 3kg-5T







Range: 0-10T





Parameters Table			
Range	0-10T	Material quality	Stainless Steel
Output sensitivity	1.0-2.0mV/V	Impedance	700/1000Ω
Zero point output	±1%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.3%F.S.	Service voltage	5-10v
Hysteresis	0.3%F.S.	Operating temperature range	-20-80℃
Repeatability	0.3%F.S.	Safe overload	150%
Creep (30 min)	0.1%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.3%F.S./10℃	Cable line specifications	ф3x2m ф5x2m（10t）
Xero point temperature drift	0.3%F.S./10℃	Cable limit tension	10kg
Response frequency	10kHz	TEDS	Selectable

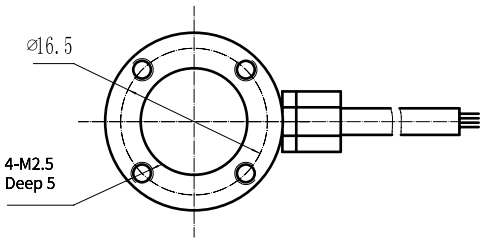
Range	ΦA	ΦC	ΦD	H	E	M	H1	SR
3-200kg	20	2.5	15.5	12	10	M3	4	2
300-500kg	26	5	18.5	15	11. 5	M4	5	6
1-2T	26	5	18.5	15	12.5	M4	5.5	20
3-5T	37.7	10.8	31	15.5	14	M2.5	4	50

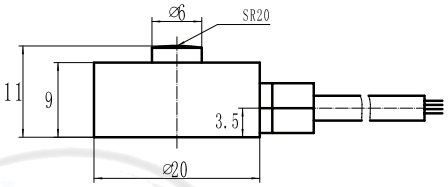
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DYHW-120 Miniature load cells

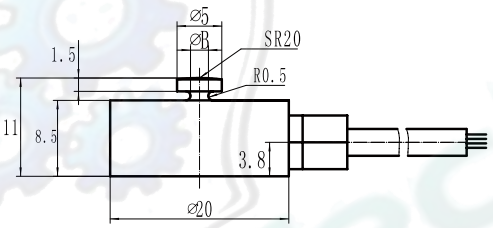








Range (kg)	500-1000
D	3.8



Range (kg)	5	10-50	100-200
B	2	2.5	3

Product Reviews

Characteristic

The sensor beam body is made of stainless steel material, with IP65 protection grade, low drift, compact structure, light weight, high precision, fast response speed, long service life, and strong anti-interference ability.

Application Area

Measurement and control of the force

- Measurement And Control Of The Force
- Automation Equipment
- Age Tester
- Key Force Analysis
- Power Device

Parameters Table			
Range	0-2000kg	Material quality	Stainless Steel
Output sensitivity	1.0-2.0mV/V	Impedance	1000Ω
Zero point output	±2%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.3%F.S.	Service voltage	5-10v
Hysteresis	0.3%F.S.	Operating temperature range	-20-80°C
Repeatability	0.1%F.S.	Safe overload	150%
Creep (30 min)	0.05%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.3%F.S./10°C	Cable line specifications	ф3x2m
Xero point temperature drift	0.3%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	Selectable

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