称重传感器
Weighing Sensor

本公司自主生产的称重传感器，采用电阻应变式原理，结构合理多样化，精度等级高，安装方式简单，响应频率快，安全性高，使用寿命长。可完全替代进口称重传感器。
(仅展示部分常规品，支持非标定制。)

Weighing Sensor:
The company's independent production of weighing sensors, using resistance strain gauge principle, reasonable and diversifiedstructure, high precision, simple installation, fast response frequency, high safety, long service life. Can completely replaceimported load cell.
(Please note that the products showcased represent only a portion of our standard offerings, as we also support OEM&ODM.)





主要应用于:
电子秤、计数秤、包装秤、料斗秤、医疗以及各种工业称重系统等。

Applications:
Electronic scales, counting scales, packaging scales, hopper scales, medical and various industrial weighing systems.

专业生产传感器

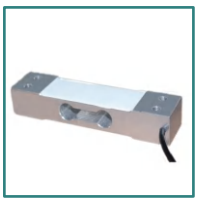
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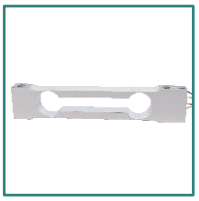

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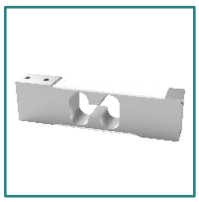

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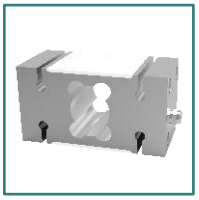

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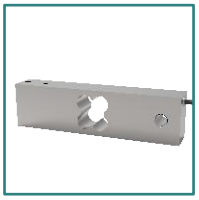

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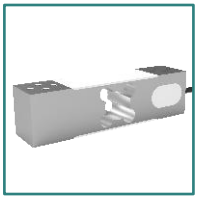

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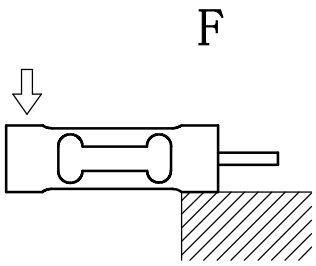

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FA501

Load Cell

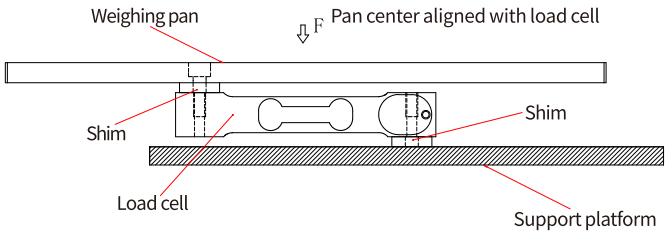
受力方向 Load Direction





安装方式 Installation

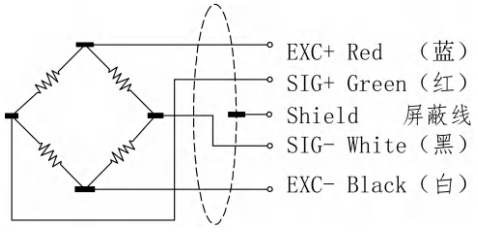
●平行梁安装 Parallel Beam Mounting



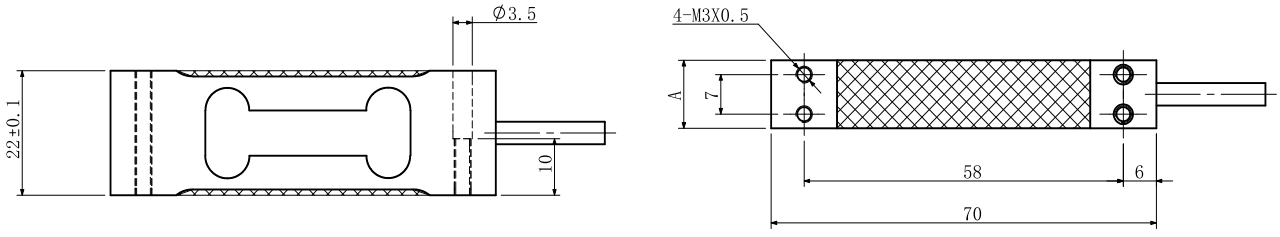
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	0.3,0.5, 1,2,3,5,10kg
满量程位移量 Deflection at Full Scale	mm	0.22
固有频率 Natural Frequency	Hz	96
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ3×0.3m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	200x200
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.02
负载蠕变 Creep (30 min)	%	0.05
温度漂移 Temperature Effect on Output	%	0.01%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	1.0±0.1; 2.0±0.1
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

接线图 Wiring



安装尺寸 Dimensions



Cap(kg)	A
0.3,0.5,1	12
2,3,5,10	15

Load Cell

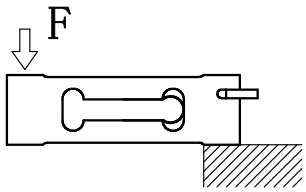
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技术参数 Specifications

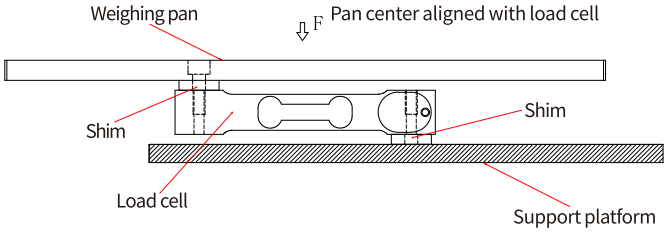
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	g/kg	200,300,600g;1,1.2,1.5,3kg
满量程位移量 Deflection at Full Scale	mm	0.3
固有频率 Natural Frequency	Hz	80
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ3×0.25m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	200x200
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.02
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.02%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	0.5-2.0
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

受力方向 Load Direction

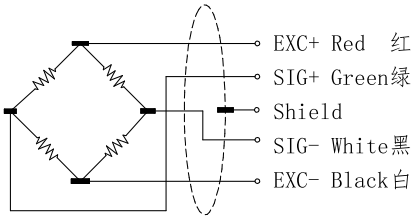


安装方式 Installation

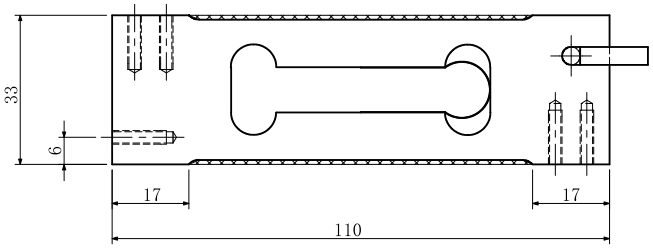
●平行梁安装 Parallel Beam Mounting

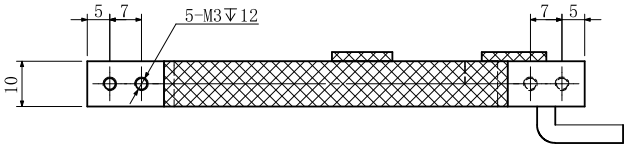


接线图 Wiring



安装尺寸 Dimensions

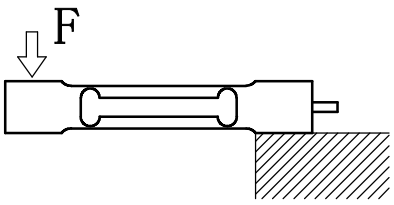




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Load Cell

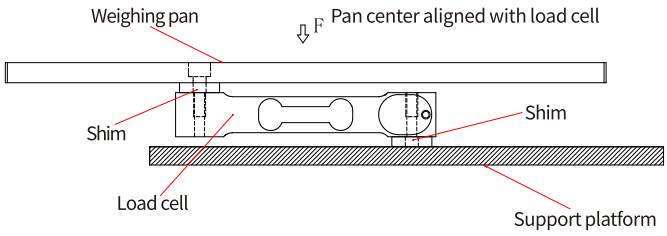
受力方向 Load Direction





安装方式 Installation

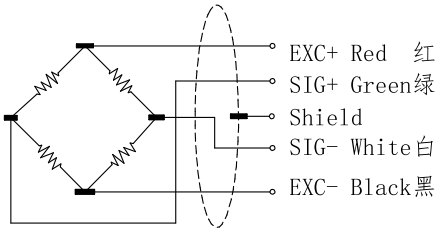
●平行梁安装 Parallel Beam Mounting



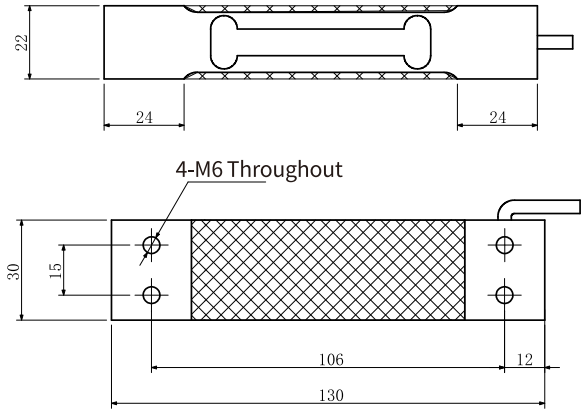
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	3,6,10,20,30,40,50kg
满量程位移量 Deflection at Full Scale	mm	0.55
固有频率 Natural Frequency	Hz	81
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ4×0.5m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	300x300
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.017
负载蠕变 Creep (30 min)	%	0.017
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

接线图 Wiring



安装尺寸 Dimensions



Load Cell

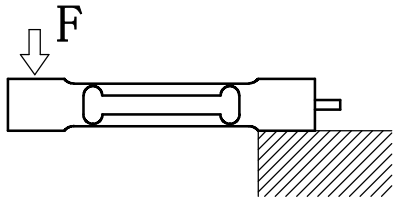
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技术参数 Specifications

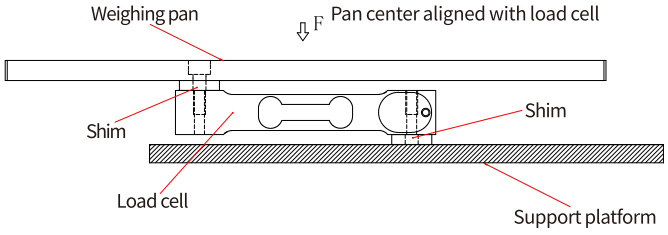
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	20, 30, 40, 50, 60, 80, 120kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-30~70
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ4×0.4m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	300x300
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.02
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	10~15
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/50

受力方向 Load Direction

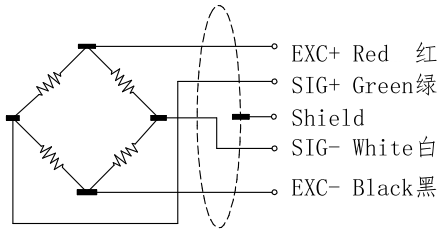


安装方式 Installation

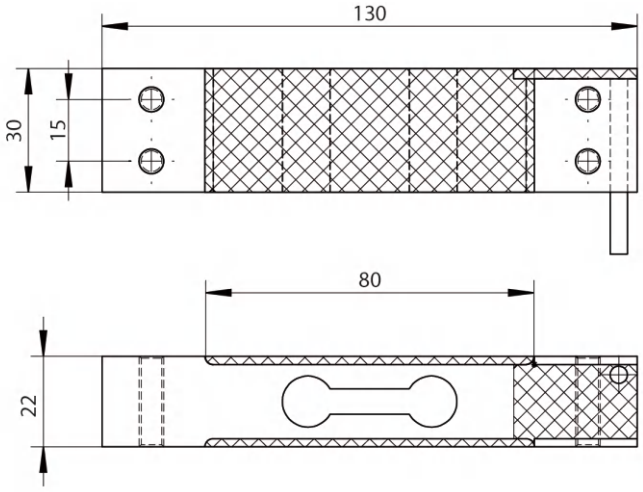
●平行梁安装 Parallel Beam Mounting



接线图 Wiring



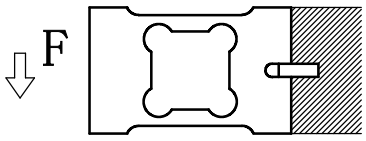
安装尺寸 Dimensions

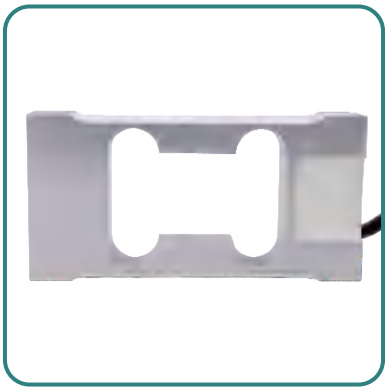


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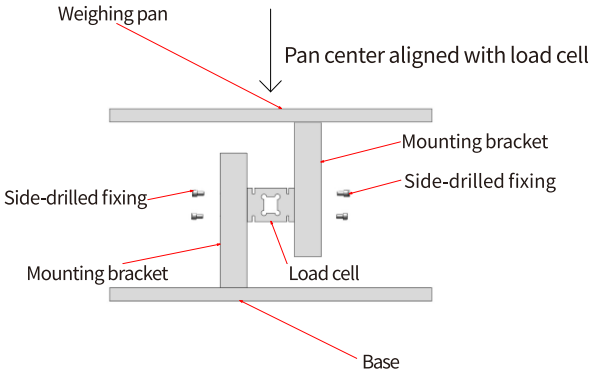
受力方向 Load Direction





安装方式 Installation

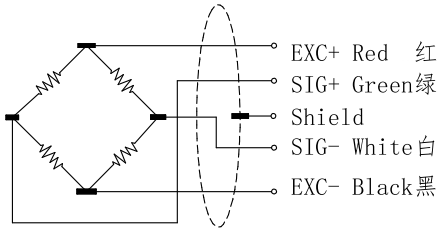
●平行梁安装 Parallel Beam Mounting



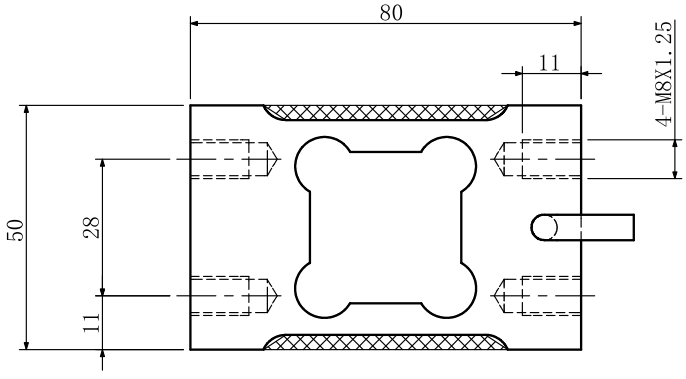
技术参数 Specifications

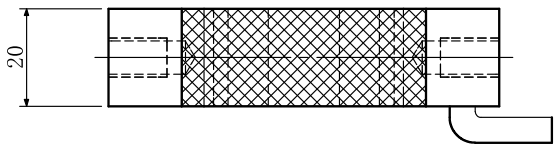
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	4,8,15,20kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ4×0.16m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	200x200
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.02
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	5~15
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

接线图 Wiring



安装尺寸 Dimensions



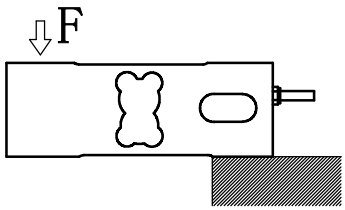


Load Cell

FA506

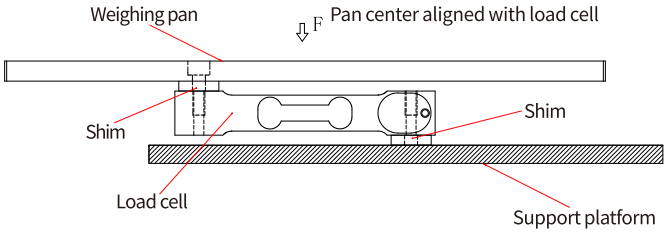


受力方向 Load Direction



安装方式 Installation

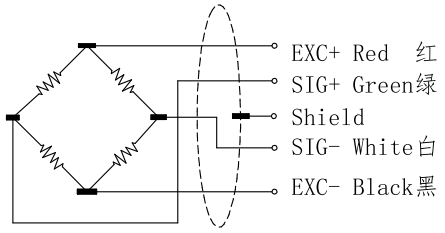
●平行梁安装 Parallel Beam Mounting



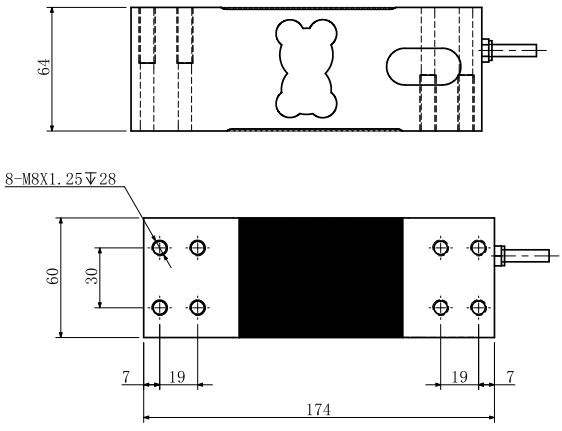
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	60~1200kg
满量程位移量 Deflection at Full Scale	mm	0.28
固有频率 Natural Frequency	Hz	646
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ5×2m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	600x600
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.017
负载蠕变 Creep (30 min)	%	0.017
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±5%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/50

接线图 Wiring



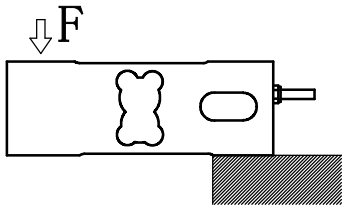
安装尺寸 Dimensions



FA506A

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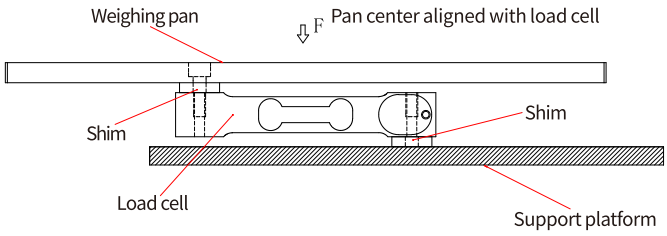
受力方向 Load Direction





安装方式 Installation

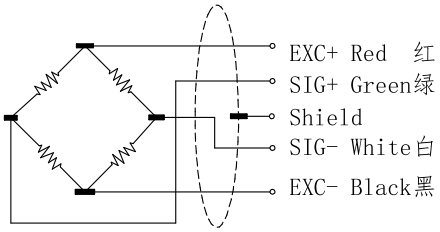
●平行梁安装 Parallel Beam Mounting



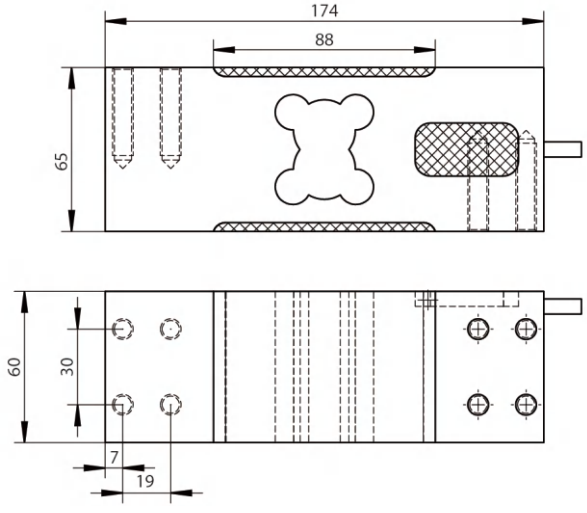
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	200,300,500,750,1000kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-30~70
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	ϕ5.6×2m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	600x600
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.02
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.017%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	10~15
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/50

接线图 Wiring



安装尺寸 Dimensions

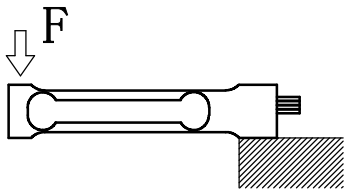


Load Cell

FA507



受力方向 Load Direction

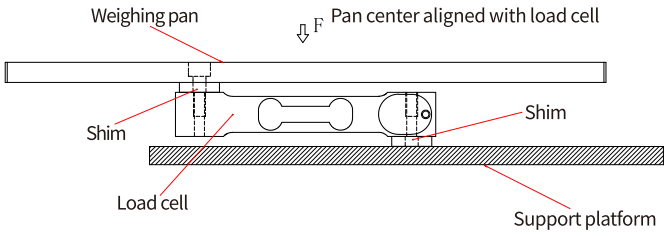


技术参数 Specifications

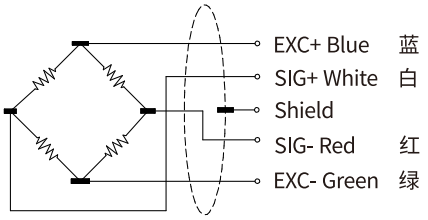
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	g	50, 100,200, 300g
满量程位移量 Deflection at Full Scale	mm	0.29
固有频率 Natural Frequency	Hz	186
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-10~50
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	4-φ1×0.1m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	50x50
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.015
线性误差 Non-linearity	%	0.015
相对滞后 Hysteresis	%	0.015
重复误差 Repeatability	%	0.015
负载蠕变 Creep (30 min)	%	0.0166
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	0.9±0.1%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

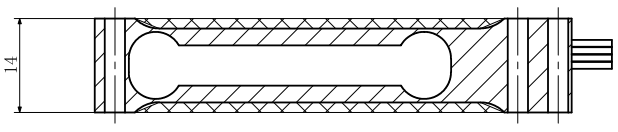
●平行梁安装 Parallel Beam Mounting

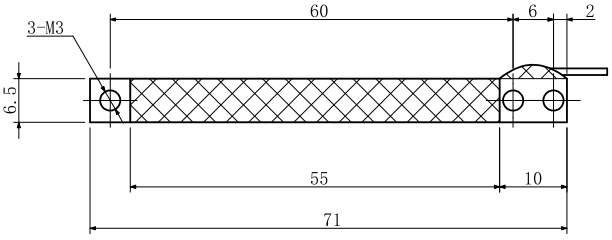


接线图 Wiring



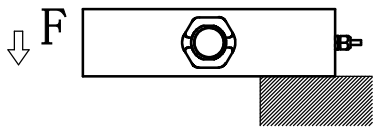
安装尺寸 Dimensions





FA508

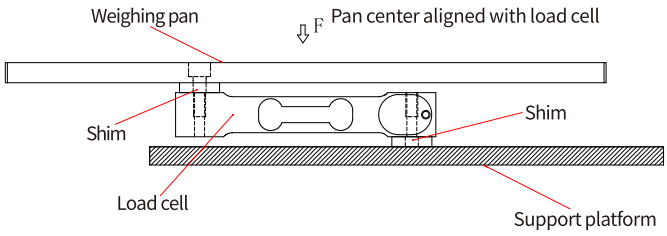
受力方向 Load Direction





安装方式 Installation

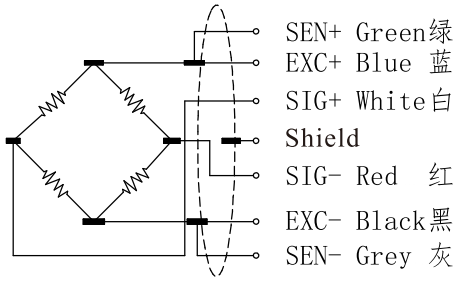
●平行梁安装 Parallel Beam Mounting



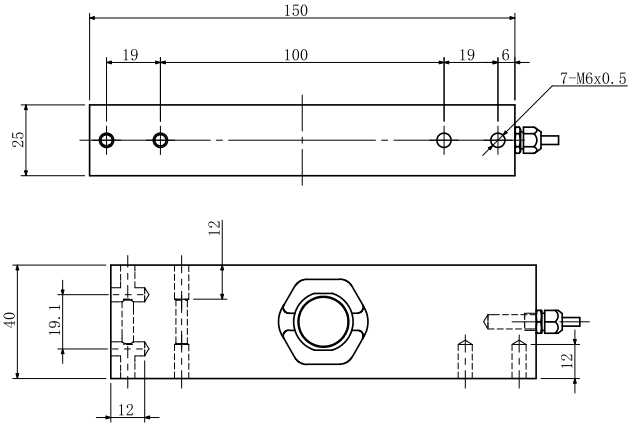
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	10,20,50,100kg
满量程位移量 Deflection at Full Scale	mm	0.2
固有频率 Natural Frequency	Hz	223
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~50
防护等级 Ingress Protection (IP)	IP	68
电缆长度 Cable	M	φ5.4×3m
弹性体材料 Spring Element Material	-	Stainless steel
最大秤盘尺寸 Maximum size of the scale	mm	500x400
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.0166
线性误差 Non-linearity	%	0.0166
相对滞后 Hysteresis	%	0.0166
重复误差 Repeatability	%	0.018
负载蠕变 Creep (30 min)	%	0.0166
温度漂移 Temperature Effect on Output	%	0.0175%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

接线图 Wiring



安装尺寸 Dimensions

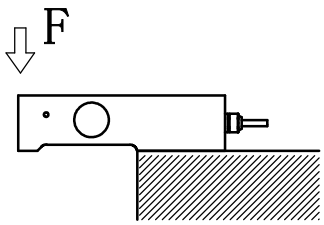


Load Cell

FA509A



受力方向 Load Direction

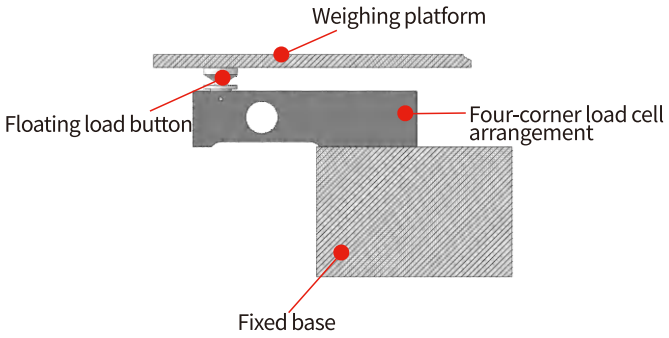


技术参数 Specifications

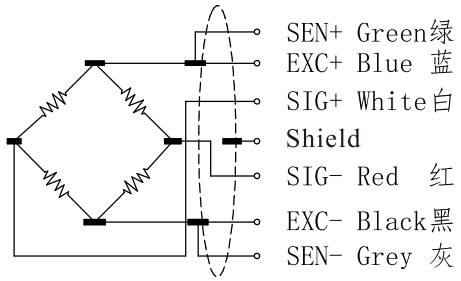
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	t	0.22~4.4t
满量程位移量 Deflection at Full Scale	mm	＜0.1
固有频率 Natural Frequency	Hz	＞1000
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~80
防护等级 Ingress Protection (IP)	IP	68
电缆长度 Cable	M	φ5.4×3m/6m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	Compressive
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.0166
线性误差 Non-linearity	%	0.0166
相对滞后 Hysteresis	%	0.0166
重复误差 Repeatability	%	0.0166
负载蠕变 Creep (30 min)	%	0.0166
温度漂移 Temperature Effect on Output	%	0.014%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	1.94±10%
激励电压 Excitation Voltage	V(DC)	5~15
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

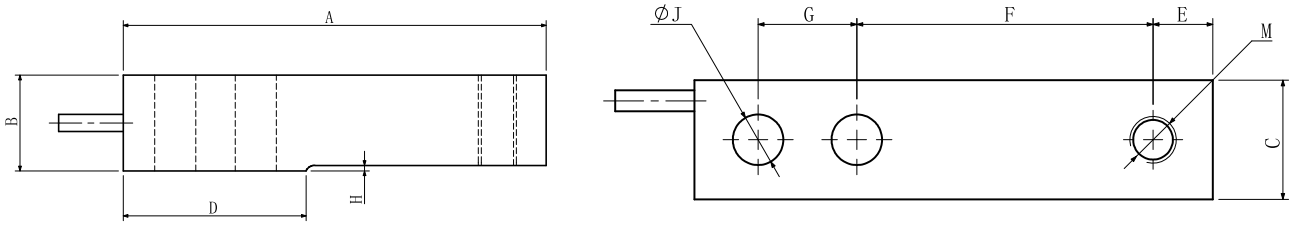
●悬臂梁安装 Cantilever Beam Mounting



接线图 Wiring



安装尺寸 Dimensions

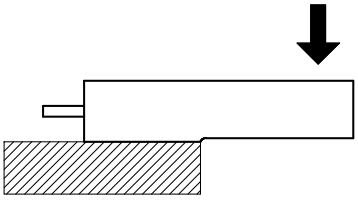


Cap(t)	A	B	C	D	E	F	G	H	J	M
0.11,0.22,0.55,1.1	133.4	30.2	30.7	57.7	15.4	76.2	25.4	1.7	13	M12
1.76	133.4	30.2	30.7	51.7	15.4	76.2	25.4	1.7	13	M12
2.2	171.5	36.5	36.8	76.2	19.1	95.3	38.1	2.5	20.5	M20
4.4	171.5	42.9	42.9	76.2	19.1	95.3	38.1	2.5	20.5	M20

FA509B

Load Cell

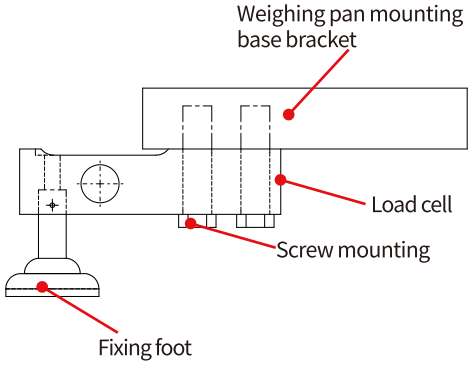
受力方向 Load Direction



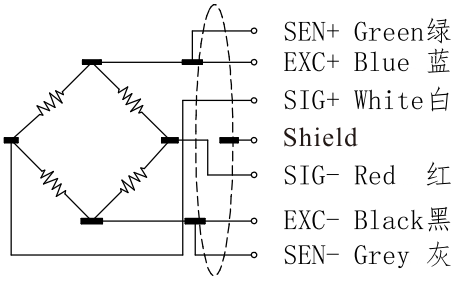


安装方式 Installation

●悬臂梁安装 Cantilever Beam Mounting



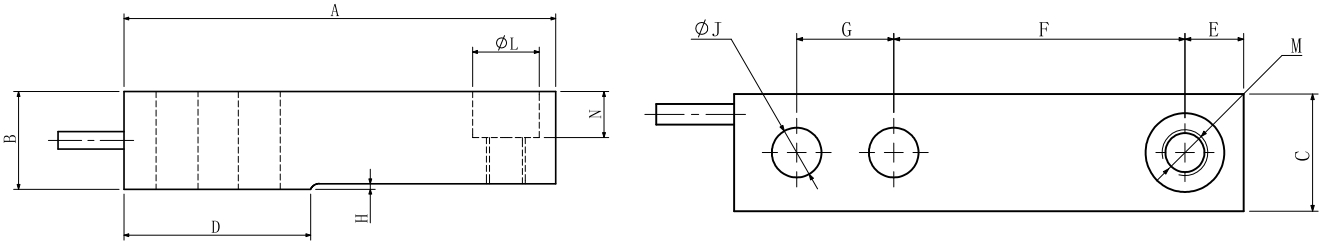
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	t	0.11~10t
满量程位移量 Deflection at Full Scale	mm	＜0.1
固有频率 Natural Frequency	Hz	＞1000
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~80
防护等级 Ingress Protection (IP)	IP	68
电缆长度 Cable	M	ϕ5.4×3m/6m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	Compressive
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.0166
线性误差 Non-linearity	%	0.0166
相对滞后 Hysteresis	%	0.0166
重复误差 Repeatability	%	0.0166
负载蠕变 Creep (30 min)	%	0.0166
温度漂移 Temperature Effect on Output	%	0.014%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	1.94(10t=2.0)±10%
激励电压 Excitation Voltage	V(DC)	5~15
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装尺寸 Dimensions



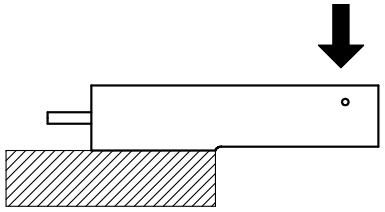
Cap(t)	A	B	C	D	E	F	G	H	J	L	M	N
0.11,0.22,0.55,1.1	133.4	30.2	30.7	57.7	15.4	76.2	25.4	1.7	13	20.6	M12	14.2
1.76	133.4	30.2	30.7	51.7	15.4	76.2	25.4	1.7	13	20.6	M12	14.2
2.2	171.5	36.5	36.8	76.2	19.1	95.3	38.1	2.5	20.5	30.2	M20	17.0
4.4	171.5	42.9	42.9	76.2	19.1	95.3	38.1	2.5	20.5	30.2	M20	20.1
10	245.1	72.9	60	119.9	30.2	134.9	50±0.05	11.2	27	$51^{+0.2}$	ϕ32	20

Load Cell

FA509E



受力方向 Load Direction

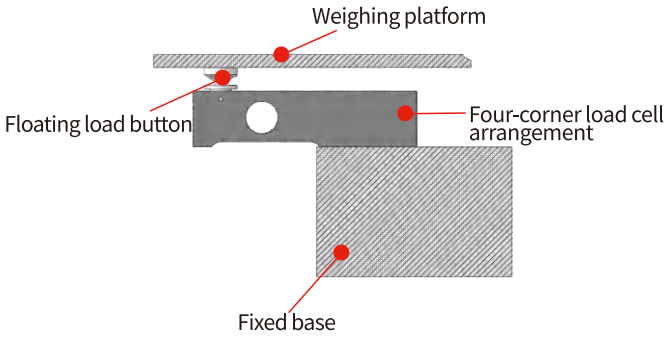


技术参数 Specifications

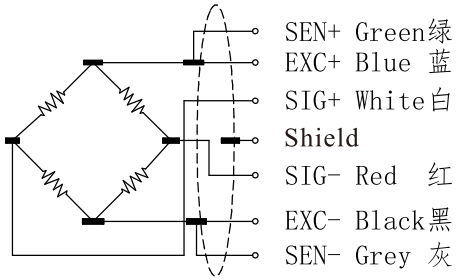
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	t	0.22~1.76t
满量程位移量 Deflection at Full Scale	mm	<0.1
固有频率 Natural Frequency	Hz	>1000
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~80
防护等级 Ingress Protection (IP)	IP	68
电缆长度 Cable	M	φ5.4×3m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	Compressive
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.0166
线性误差 Non-linearity	%	0.0166
相对滞后 Hysteresis	%	0.0166
重复误差 Repeatability	%	0.0166
负载蠕变 Creep (30 min)	%	0.0166
温度漂移 Temperature Effect on Output	%	0.014%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	1.94±10%
激励电压 Excitation Voltage	V(DC)	5~15
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

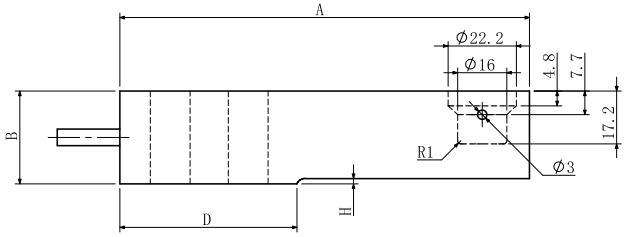
●悬臂梁安装 Cantilever Beam Mounting

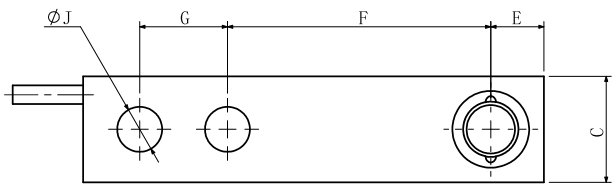


接线图 Wiring



安装尺寸 Dimensions

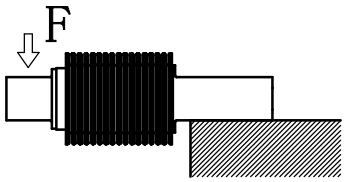




Cap(t)	A	B	C	D	E	F	G	H	J
0.11,0.22,0.55,1.1	133.4	30.2	30.7	57.7	15.4	76.2	25.4	1.7	13
1.76	133.4	30.2	30.7	51.7	15.4	76.2	25.4	1.7	13

FA510

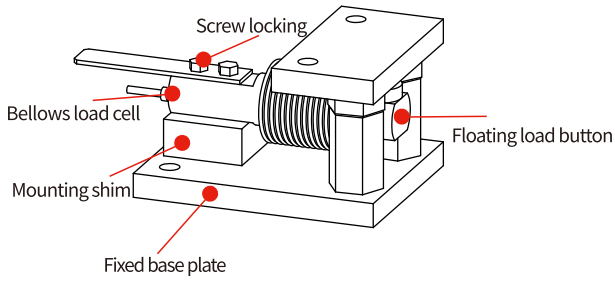
受力方向 Load Direction





安装方式 Installation

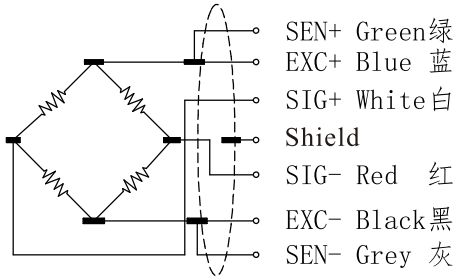
●波纹管安装 Bellows Mounting



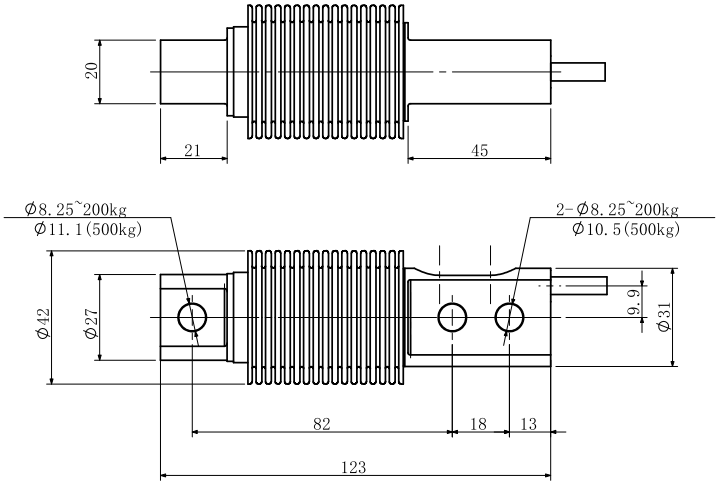
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	5,10,20,50,100, 200,500kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-30~70
防护等级 Ingress Protection (IP)	IP	68
电缆长度 Cable	M	ϕ5.4×3m
弹性体材料 Spring Element Material		Stainless steel
测量方向 Loading Direction		Compressive
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.018
线性误差 Non-linearity	%	0.018
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.018
负载蠕变 Creep (30 min)	%	0.0166
温度漂移 Temperature Effect on Output	%	0.008%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.2
激励电压 Excitation Voltage	V(DC)	5~15
绝缘电阻 Insulation Resistance	MΩ/VDC	⩾5000/100

接线图 Wiring



安装尺寸 Dimensions

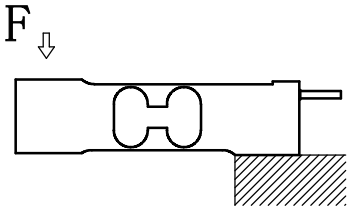


Load Cell

FA511



受力方向 Load Direction

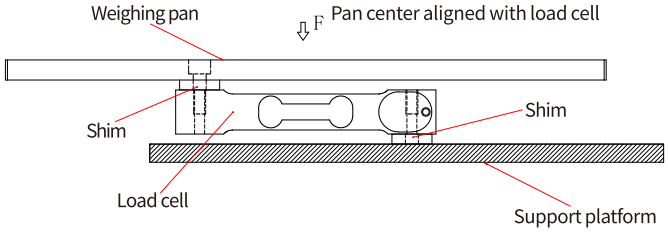


技术参数 Specifications

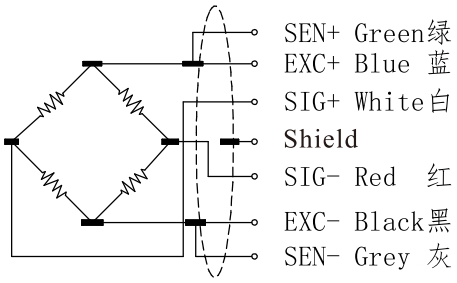
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	3,5,7,10,15,20,30,50,75,100,150,200kg
满量程位移量 Deflection at Full Scale	mm	0.32
固有频率 Natural Frequency	Hz	282
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-10~50
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	3m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	300x300，450x450，600x600(Optional)
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.0175
线性误差 Non-linearity	%	0.0175
相对滞后 Hysteresis	%	0.0175
重复误差 Repeatability	%	0.0166
负载蠕变 Creep (30 min)	%	0.01
温度漂移 Temperature Effect on Output	%	0.02%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

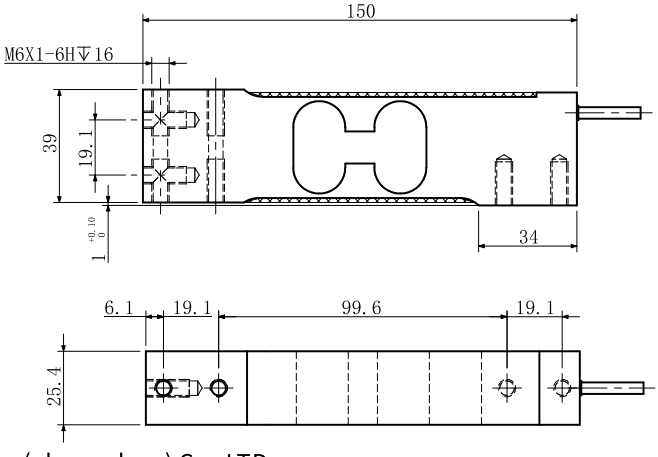
●平行梁安装 Parallel Beam Mounting



接线图 Wiring

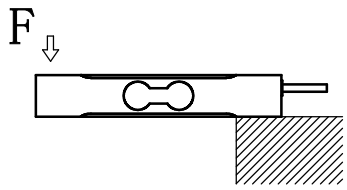


安装尺寸 Dimensions



FA513

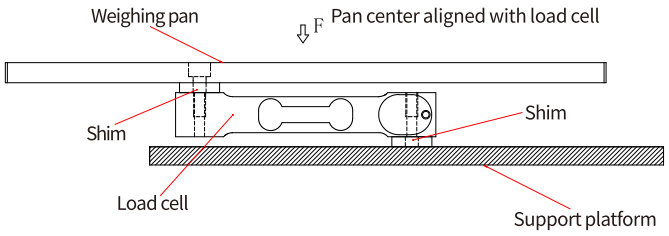
受力方向 Load Direction





安装方式 Installation

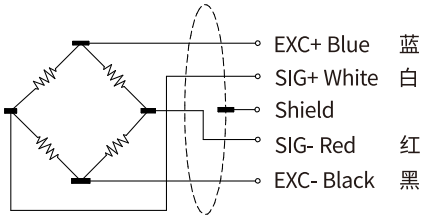
●平行梁安装 Parallel Beam Mounting



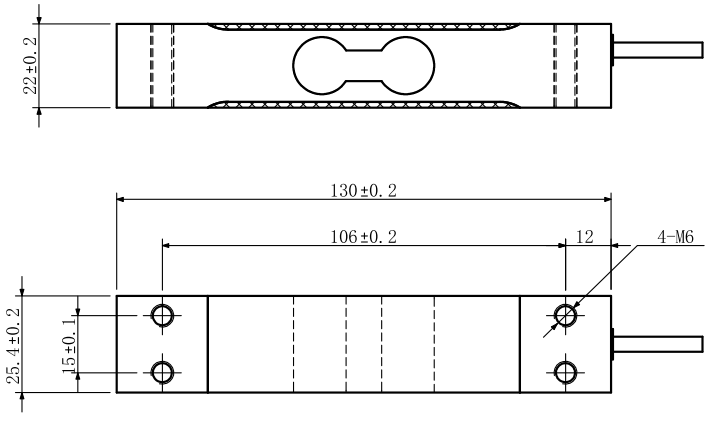
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	3,5,10,15,20,30,40kg
满量程位移量 Deflection at Full Scale	mm	0.24
固有频率 Natural Frequency	Hz	325
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-10~50
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	0.45m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	300x300
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.0175
线性误差 Non-linearity	%	0.0175
相对滞后 Hysteresis	%	0.0175
重复误差 Repeatability	%	0.0166
负载蠕变 Creep (30 min)	%	0.016
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.2
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

接线图 Wiring



安装尺寸 Dimensions

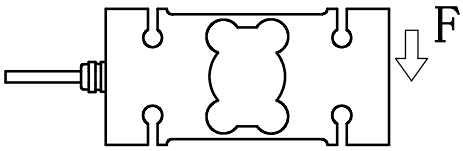


Load Cell

FA514



受力方向 Load Direction

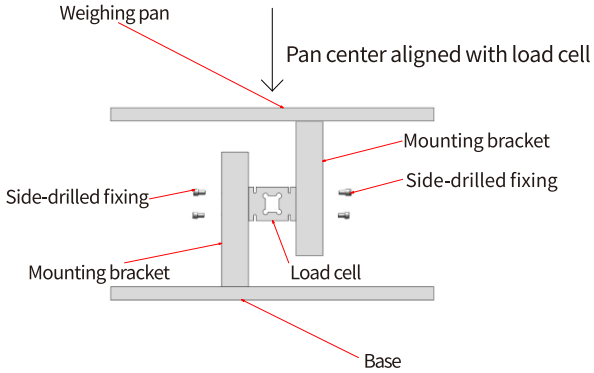


技术参数 Specifications

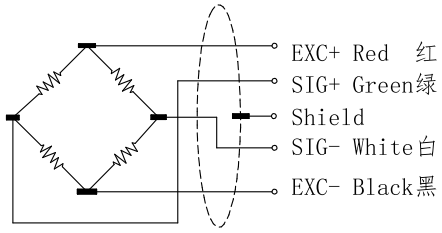
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	150,250,500,1000,2000kg
满量程位移量 Deflection at Full Scale	mm	0.25
固有频率 Natural Frequency	Hz	860
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~65
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	3m
弹性体材料 Spring Element Material	-	Alloy steel
最大秤盘尺寸 Maximum size of the scale	mm	1200x1200(Optional)
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.01
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

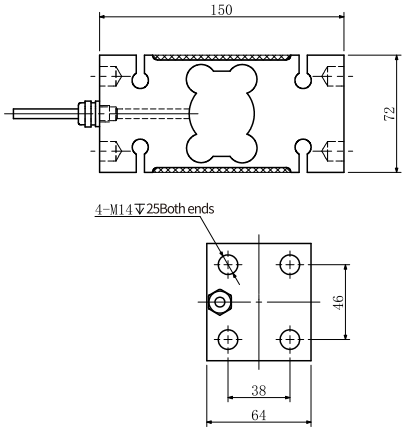
●平行梁安装 Parallel Beam Mounting

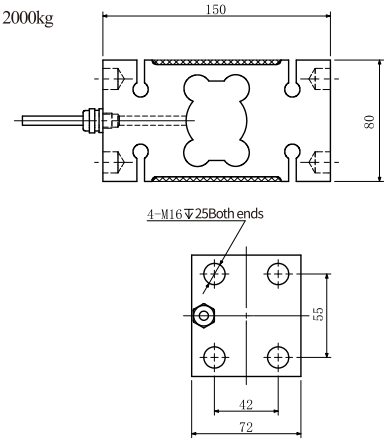


接线图 Wiring



安装尺寸 Dimensions

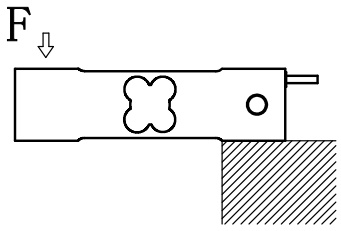




FA515

Load Cell

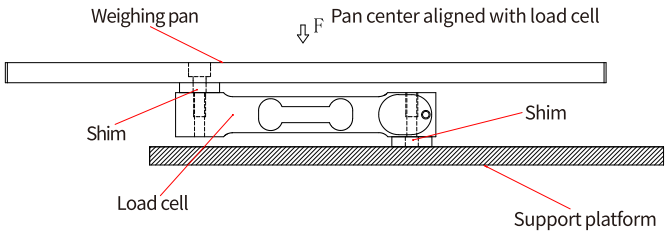
受力方向 Load Direction



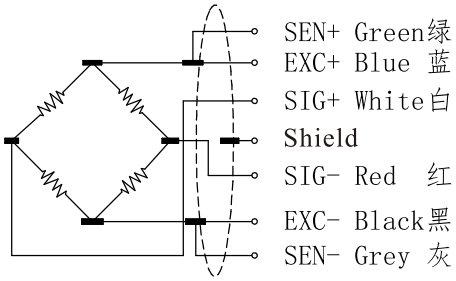


安装方式 Installation

●平行梁安装 Parallel Beam Mounting



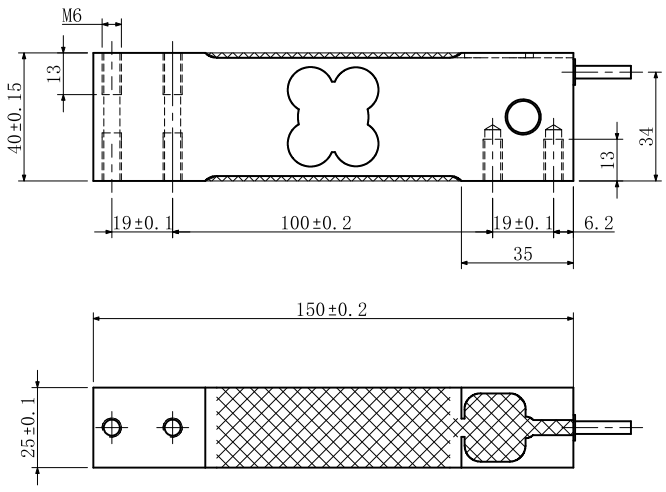
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	7.5,15,20,30,50,75,100,150,200kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~50
防护等级 Ingress Protection (IP)	IP	68
电缆长度 Cable	M	3m
弹性体材料 Spring Element Material	-	Stainless steel
最大秤盘尺寸 Maximum size of the scale	mm	500x400
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.0175
线性误差 Non-linearity	%	0.0175
相对滞后 Hysteresis	%	0.0175
重复误差 Repeatability	%	0.0166
负载蠕变 Creep (30 min)	%	0.016
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.1
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	⩾5000/100

安装尺寸 Dimensions

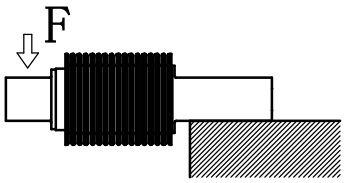


Load Cell

FA544



受力方向 Load Direction

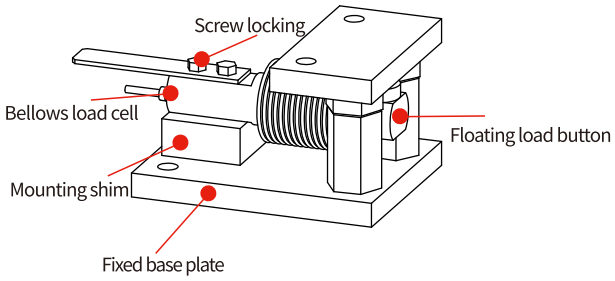


技术参数 Specifications

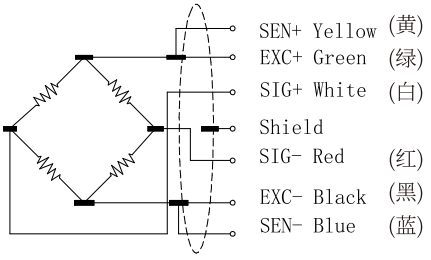
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	5,10,20,50,75,100,200,300,500kg
满量程位移量 Deflection at Full Scale	mm	0.29
固有频率 Natural Frequency	Hz	990
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~60
防护等级 Ingress Protection (IP)	IP	68
电缆长度 Cable	M	ϕ6x3m
弹性体材料 Spring Element Material	-	Stainless steel
测量放线 Loading Direction	-	Compressive
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.018
负载蠕变 Creep (30 min)	%	0.0166
温度漂移 Temperature Effect on Output	%	0.008%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.2
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

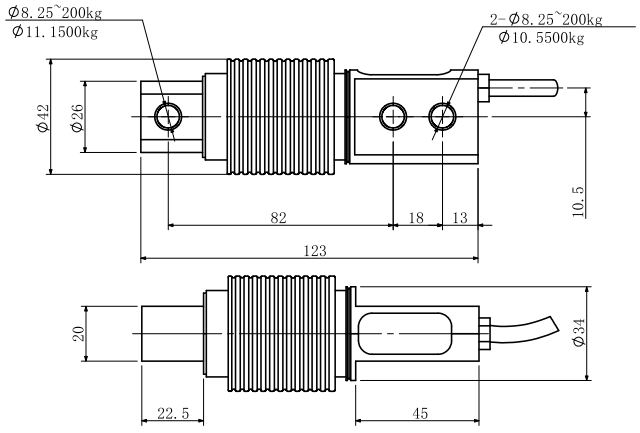
●波纹管安装 Bellows Mounting



接线图 Wiring



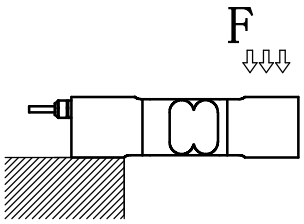
安装尺寸 Dimensions

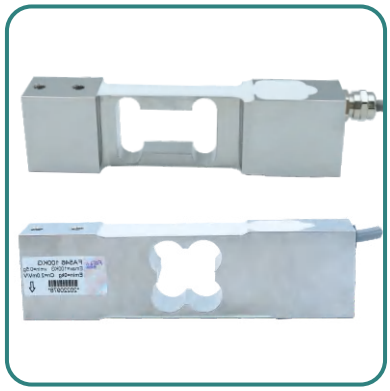


FA546

Load Cell

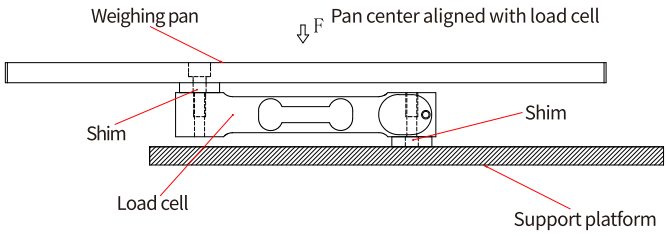
受力方向 Load Direction





安装方式 Installation

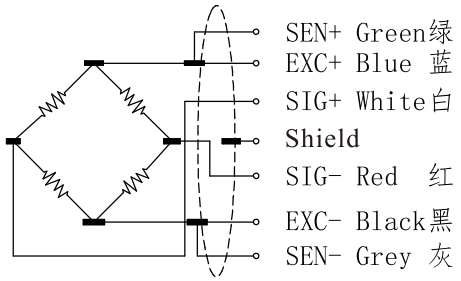
●平行梁安装 Parallel Beam Mounting



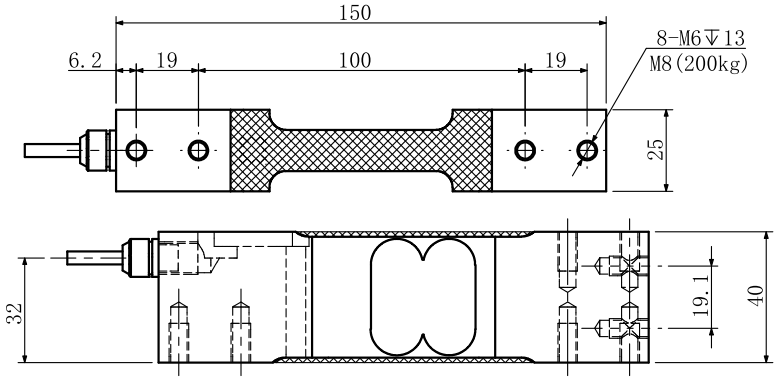
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	3,6,7.5,15,20,30,50,75,100,150,200kg
满量程位移量 Deflection at Full Scale	mm	0.23
固有频率 Natural Frequency	Hz	130
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~50
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	3m
弹性体材料 Spring Element Material	-	Stainless steel/Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	500x400
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.016
负载蠕变 Creep (30 min)	%	0.017
温度漂移 Temperature Effect on Output	%	0.05%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

接线图 Wiring



安装尺寸 Dimensions



Load Cell

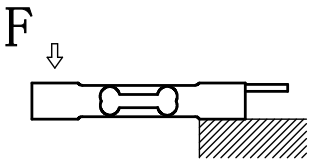
FA552



技术参数 Specifications

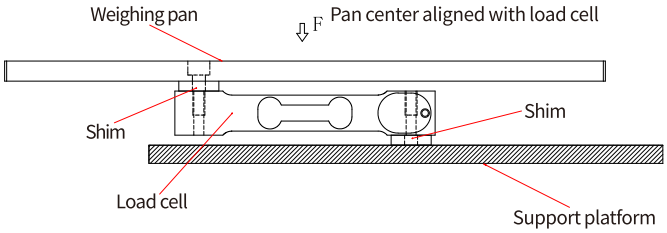
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	6,10,20,30,40kg
满量程位移量 Deflection at Full Scale	mm	0.47
固有频率 Natural Frequency	Hz	＞100
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~65
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	ϕ4x3m
弹性体材料 Spring Element Material	-	Stainless steel
最大秤盘尺寸 Maximum size of the scale	mm	300x300
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.017
负载蠕变 Creep (30 min)	%	0.03
温度漂移 Temperature Effect on Output	%	0.025%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	10
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

受力方向 Load Direction

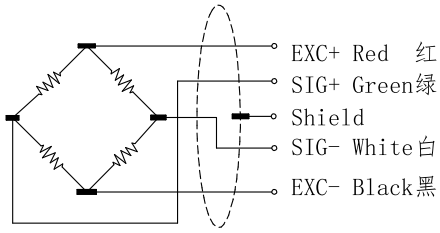


安装方式 Installation

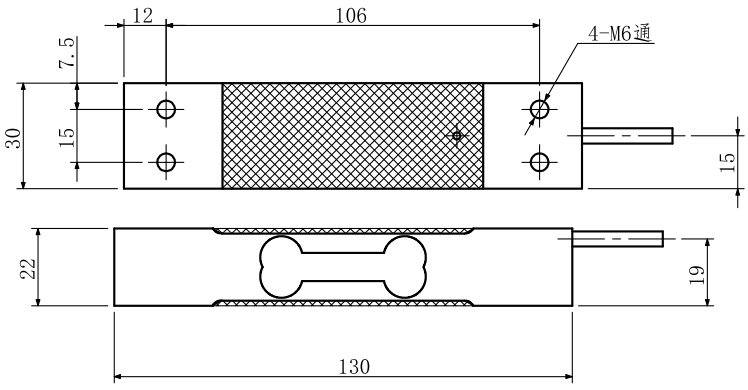
●平行梁安装 Parallel Beam Mounting



接线图 Wiring



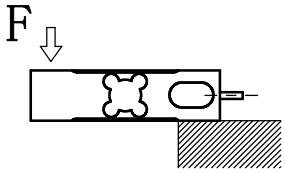
安装尺寸 Dimensions

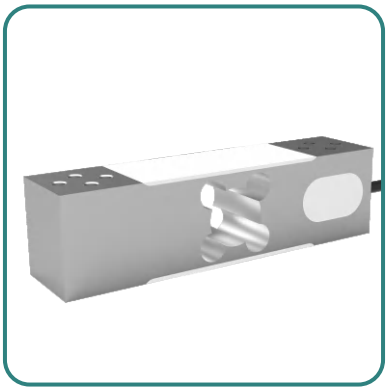


FA565

Load Cell

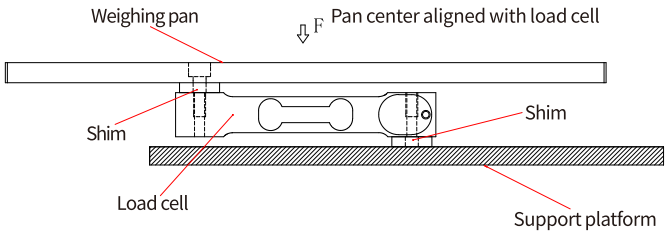
受力方向 Load Direction





安装方式 Installation

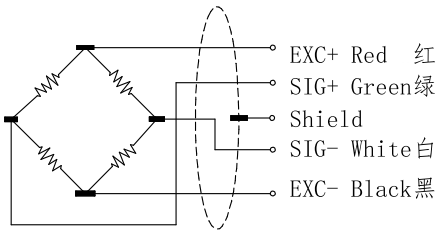
●平行梁安装 Parallel Beam Mounting



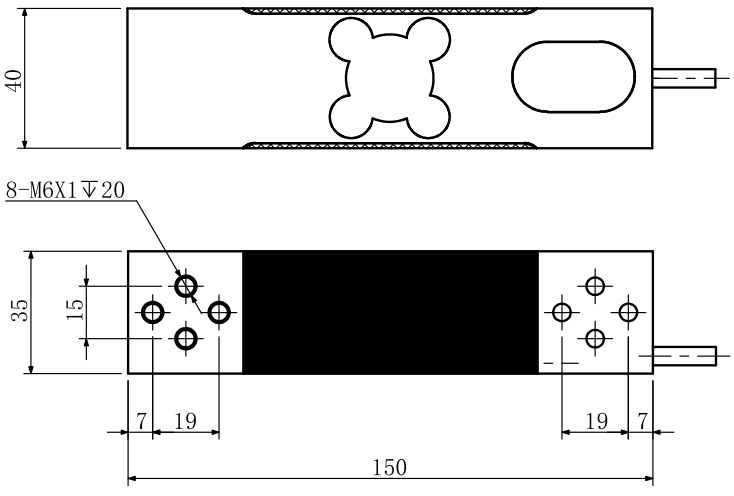
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	60~500kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	ϕ5x1.5m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	400x400
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.017
负载蠕变 Creep (30 min)	%	0.017
温度漂移 Temperature Effect on Output	%	0.02%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±5%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

接线图 Wiring

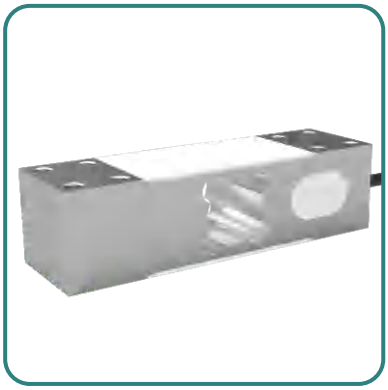


安装尺寸 Dimensions

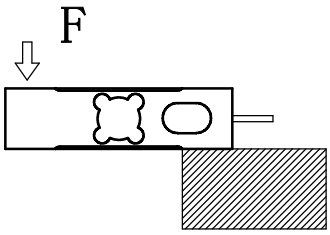


Load Cell

FA566



受力方向 Load Direction

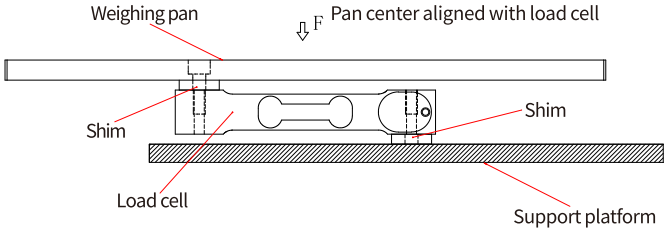


技术参数 Specifications

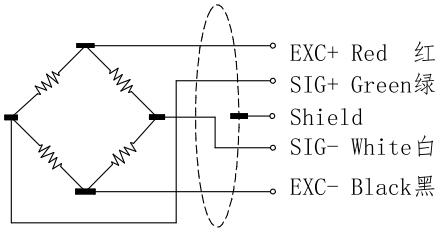
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	60,100,200,300,500,800kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	ϕ5x2m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	500x500
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.02
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

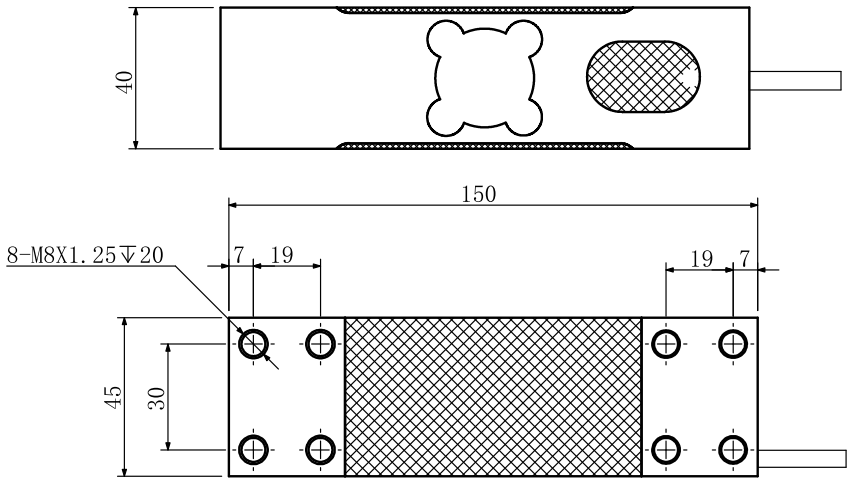
●平行梁安装 Parallel Beam Mounting



接线图 Wiring

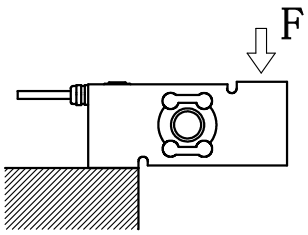


安装尺寸 Dimensions



FA568

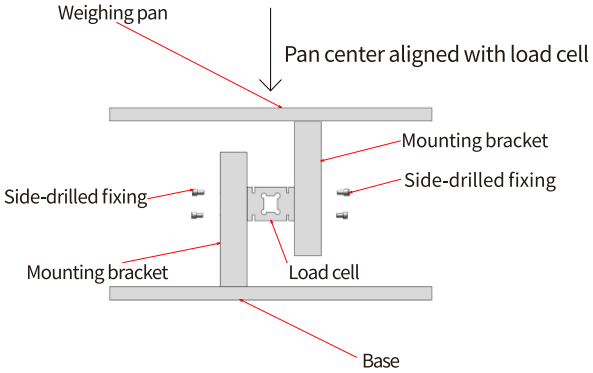
受力方向 Load Direction





安装方式 Installation

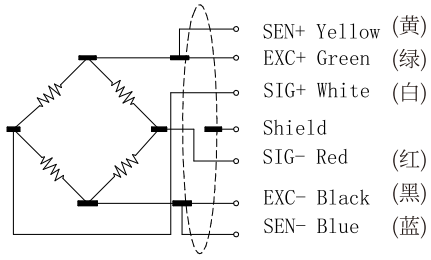
●平行梁安装 Parallel Beam Mounting



技术参数 Specifications

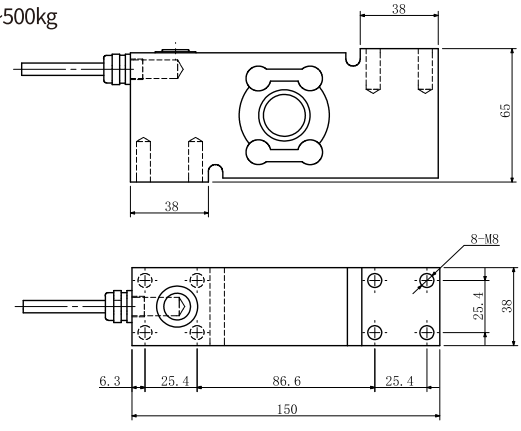
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	50,100,200,300,500,1000kg
满量程位移量 Deflection at Full Scale	mm	0.12
固有频率 Natural Frequency	Hz	890
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~60
防护等级 Ingress Protection (IP)	IP	68
电缆长度 Cable	M	3m
弹性体材料 Spring Element Material	-	Stainless steel
最大秤盘尺寸 Maximum size of the scale	mm	600x600
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.016
负载蠕变 Creep (30 min)	%	0.01
温度漂移 Temperature Effect on Output	%	0.02%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.2
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

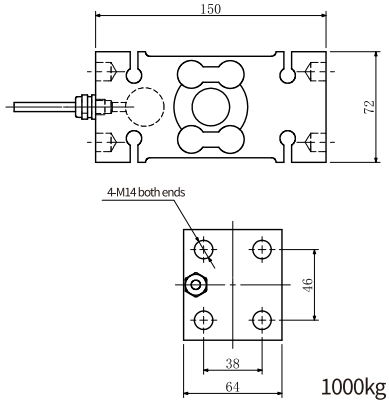
接线图 Wiring



安装尺寸 Dimensions

50~500kg





1000kg

Load Cell

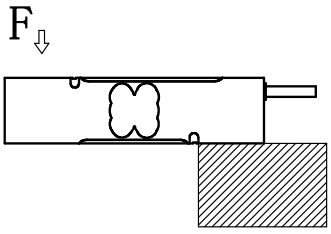
FA578



技术参数 Specifications

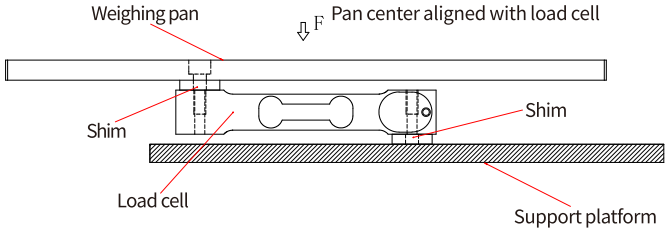
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	8,15,30,50,100,150,200,250,300kg
满量程位移量 Deflection at Full Scale	mm	0.18
固有频率 Natural Frequency	Hz	453
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	3m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	600x500
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.015
负载蠕变 Creep (30 min)	%	0.017
温度漂移 Temperature Effect on Output	%	0.02%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±10%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

受力方向 Load Direction

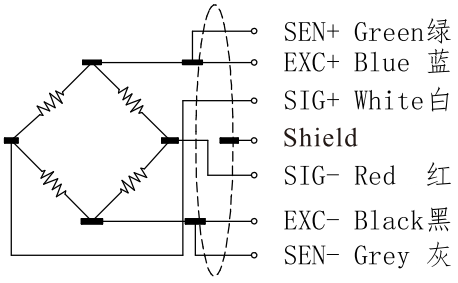


安装方式 Installation

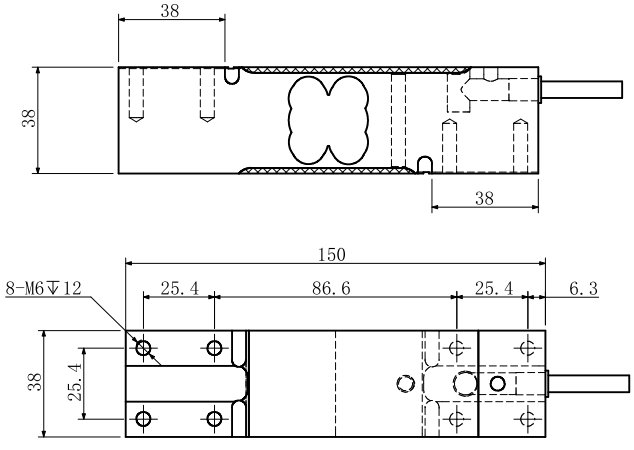
●平行梁安装 Parallel Beam Mounting



接线图 Wiring



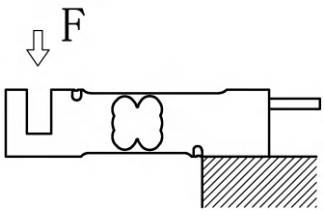
安装尺寸 Dimensions



FA579

Load Cell

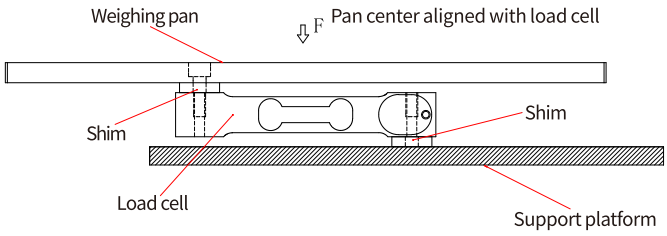
受力方向 Load Direction





安装方式 Installation

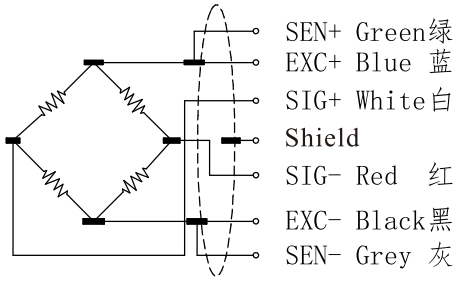
●平行梁安装 Parallel Beam Mounting



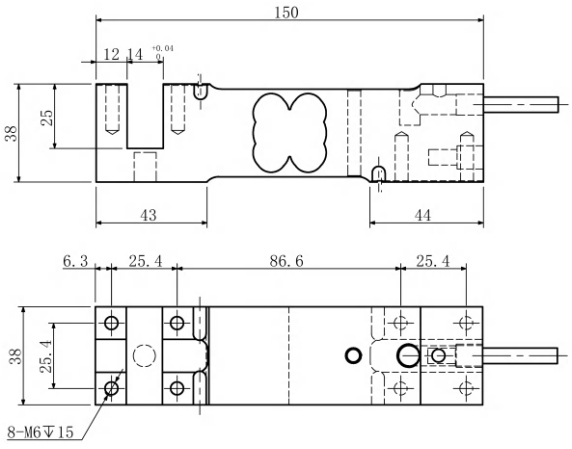
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	15,50,100,200kg
满量程位移量 Deflection at Full Scale	mm	0.18
固有频率 Natural Frequency	Hz	627
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	3m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	600x500
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.015
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.025%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.1
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

接线图 Wiring



安装尺寸 Dimensions

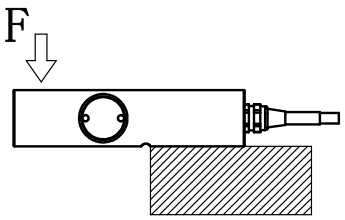


Load Cell

FA5157



受力方向 Load Direction

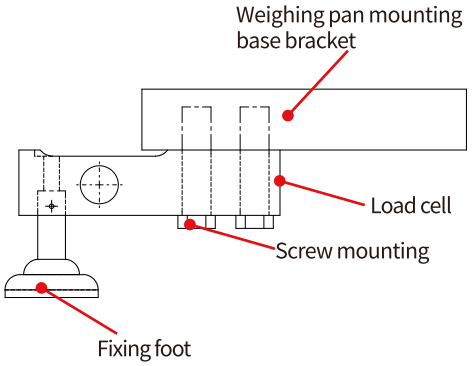


技术参数 Specifications

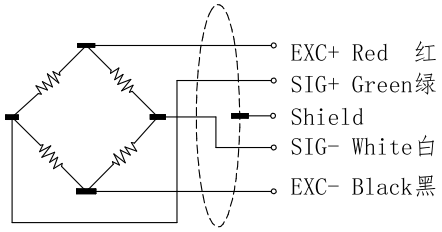
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	t	0.5,1,2,3,5,10t
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~80
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	ϕ5/5.4x3m(4-wire / 6-wire)
弹性体材料 Spring Element Material		Alloy steel
测量方向 Loading Direction		Compressive
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.05
线性误差 Non-linearity	%	0.05
相对滞后 Hysteresis	%	0.05
重复误差 Repeatability	%	0.05
负载蠕变 Creep (30 min)	%	0.05
温度漂移 Temperature Effect on Output	%	0.05%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.1
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

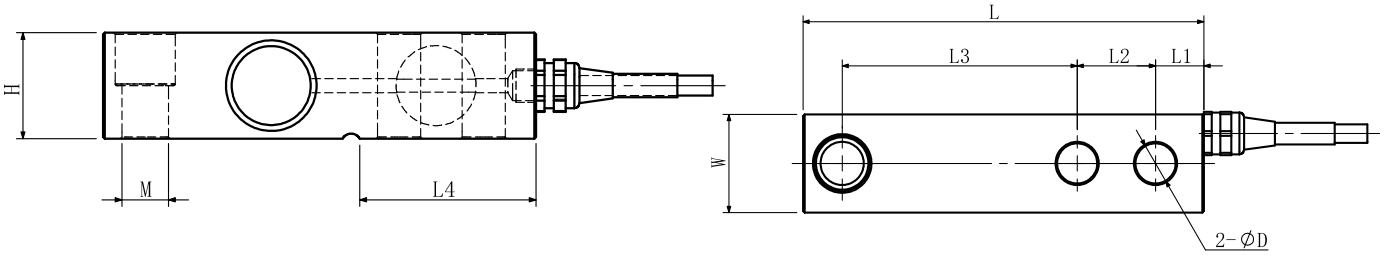
●悬臂梁安装 Cantilever Beam Mounting



接线图 Wiring



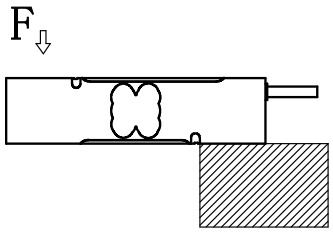
安装尺寸 Dimensions



Cap(t)	L	L1	L2	L3	L4	H	W	D	M
0.5~3	130	15.7	25.4	76.2	52.9	31.8	31.8	13	M12/16
5	171.5	19.1	38.1	95.3	78.9	38.1	38.1	20	M18*1.5
10	225.6	25.4	50.8	124	110	50.8	50.8	26	M24*2

FA5223

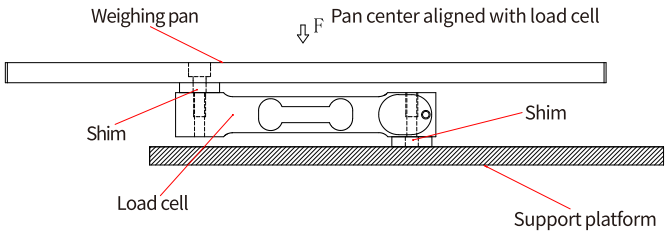
受力方向 Load Direction





安装方式 Installation

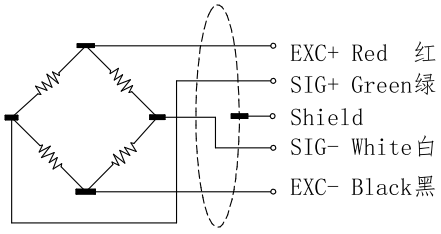
●平行梁安装 Parallel Beam Mounting



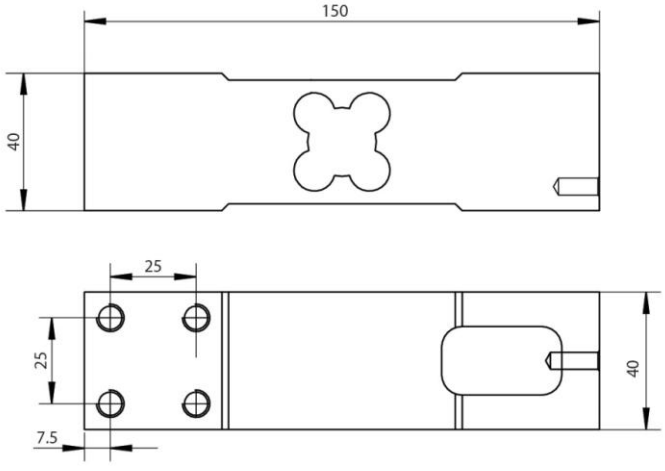
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	200, 300,500kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	ϕ5x1.9m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	400x500
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.015
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.025%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.1
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	⩾5000/100

接线图 Wiring



安装尺寸 Dimensions



Load Cell

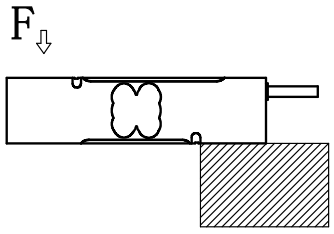
FA5231



技术参数 Specifications

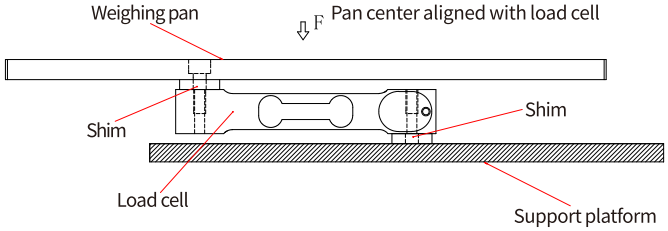
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	60,100,200,350kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~80
防护等级 Ingress Protection (IP)	IP	68
电缆长度 Cable	M	ϕ5.6x1.6m
弹性体材料 Spring Element Material	-	Alloy steel
最大秤盘尺寸 Maximum size of the scale	mm	400x400
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.05
线性误差 Non-linearity	%	0.05
相对滞后 Hysteresis	%	0.05
重复误差 Repeatability	%	0.05
负载蠕变 Creep (30 min)	%	0.05
温度漂移 Temperature Effect on Output	%	0.05%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.1
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

受力方向 Load Direction

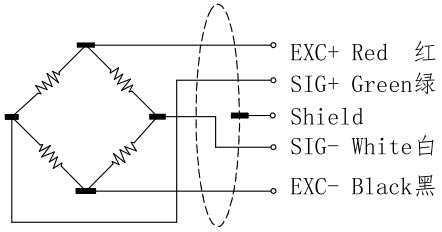


安装方式 Installation

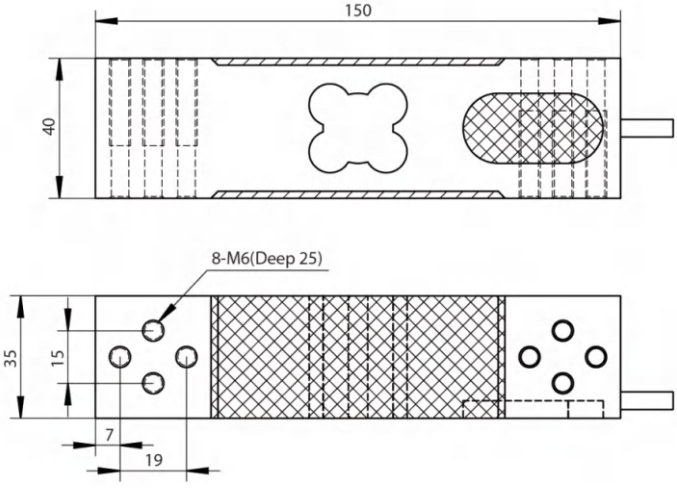
●平行梁安装 Parallel Beam Mounting



接线图 Wiring

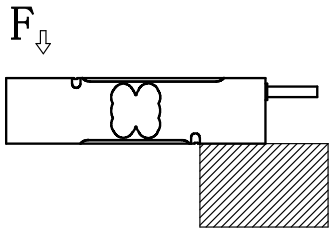


安装尺寸 Dimensions



FA5232

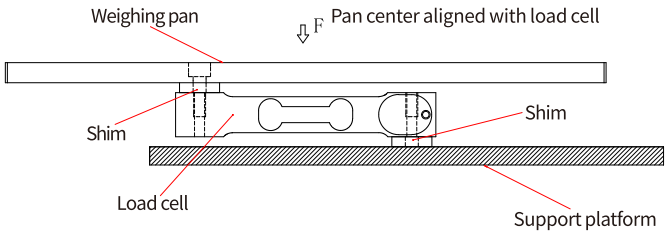
受力方向 Load Direction



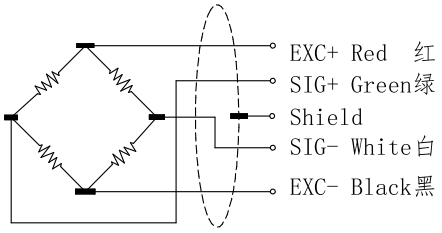


安装方式 Installation

●平行梁安装 Parallel Beam Mounting



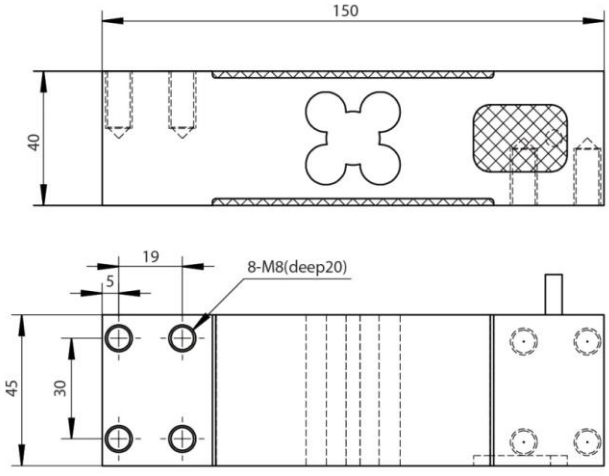
接线图 Wiring



技术参数 Specifications

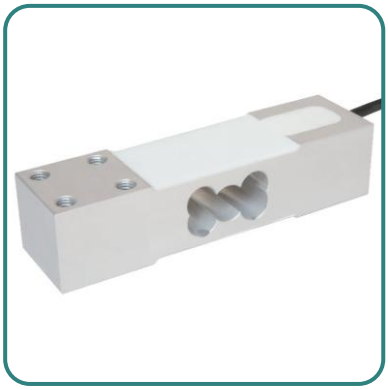
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	50, 100,200,300,500,800kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~60
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	ϕ5.6x1.6m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	500 x 500
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.015
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.025%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.1
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装尺寸 Dimensions



Load Cell

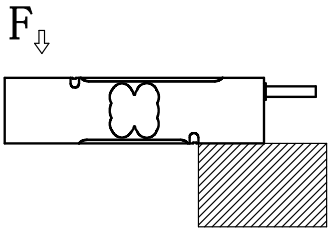
FA5233



技术参数 Specifications

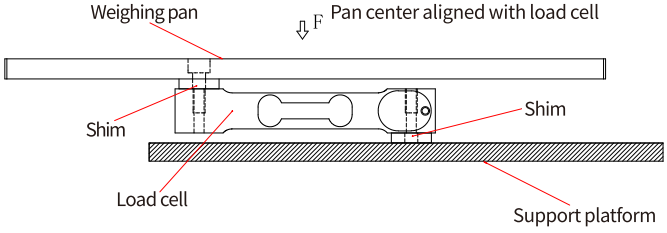
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	200,300,500kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	℃	-20~80
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	ϕ5.0x1.9m
弹性体材料 Spring Element Material	-	Aluminum alloy
最大秤盘尺寸 Maximum size of the scale	mm	400x500
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.017
线性误差 Non-linearity	%	0.017
相对滞后 Hysteresis	%	0.017
重复误差 Repeatability	%	0.017
负载蠕变 Creep (30 min)	%	0.02
温度漂移 Temperature Effect on Output	%	0.05%/10℃
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±0.1
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

受力方向 Load Direction

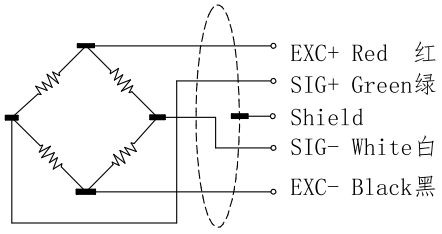


安装方式 Installation

●平行梁安装 Parallel Beam Mounting



接线图 Wiring



安装尺寸 Dimensions

