

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 diversified structure, high precision, simple installation, fast response frequency, high safety, long service life. Can completely replace imported 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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称重传感器系列



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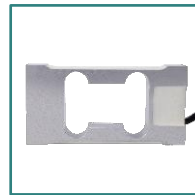
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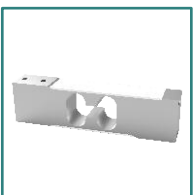
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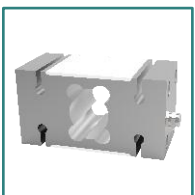
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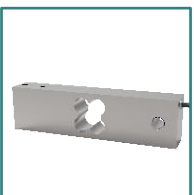
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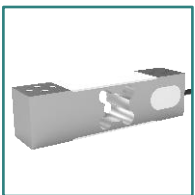
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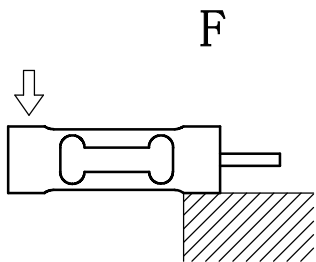


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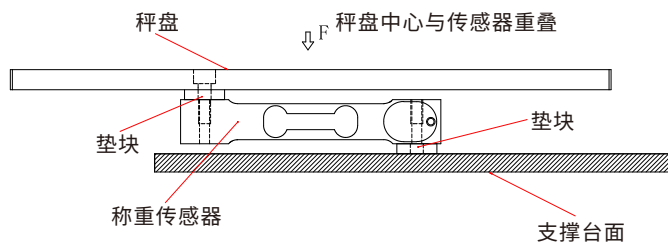
称重传感器

受力方向 Load Direction

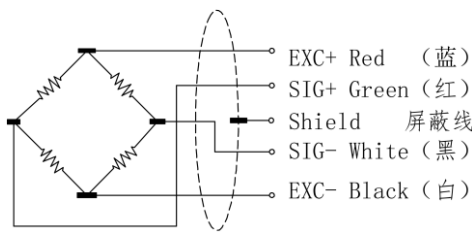


安装方式 Installation

● 平行梁安装



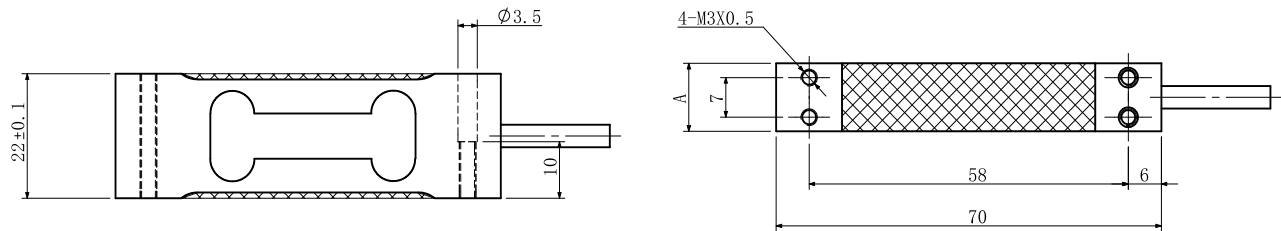
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	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	°C	-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	-	铝合金
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°C
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

安装尺寸 Dimensions

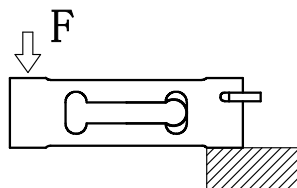


Cap(kg)	A
0.3,0.5,1	12
2,3,5,10	15

FA502

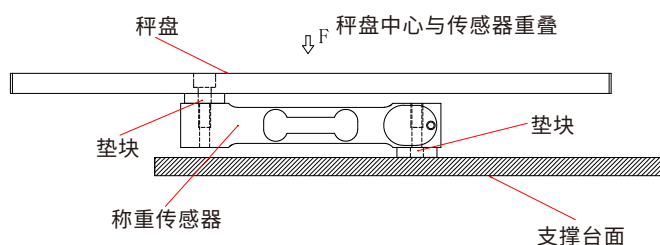


受力方向 Load Direction

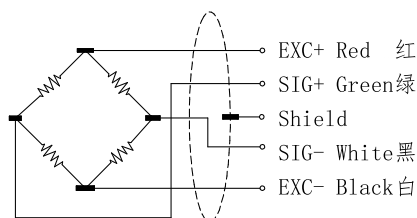


安装方式 Installation

● 平行梁安装



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	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	°C	-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	-	铝合金
最大秤盘尺寸 Maximum size of the scale	mm	200x200

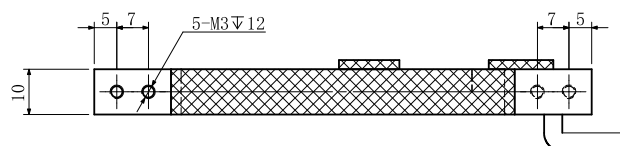
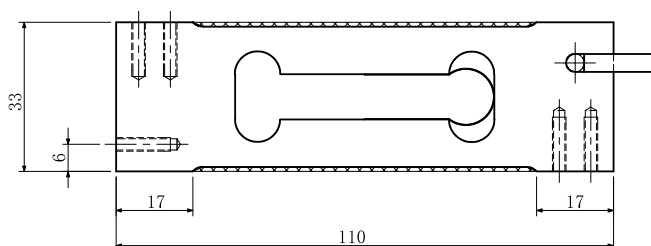
传感器精度参数 Sensor Accuracy Parameters

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	0.5-2.0
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

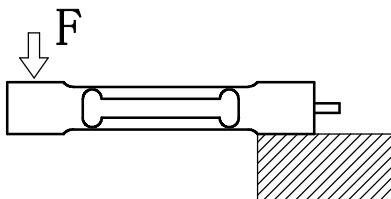
安装尺寸 Dimensions



FA504

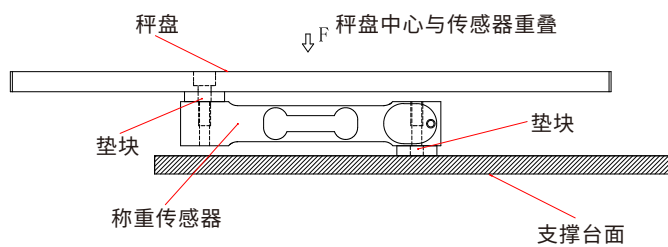
称重传感器

受力方向 Load Direction

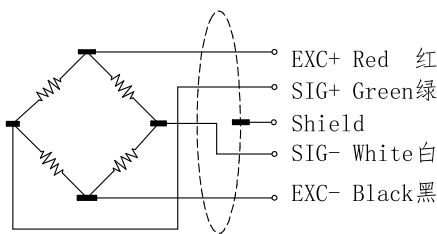


安装方式 Installation

● 平行梁安装



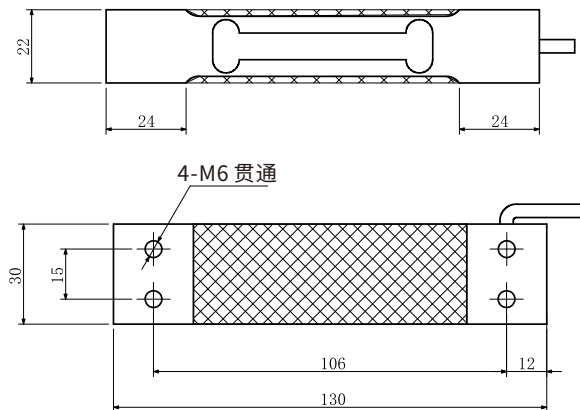
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	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	-	铝合金
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

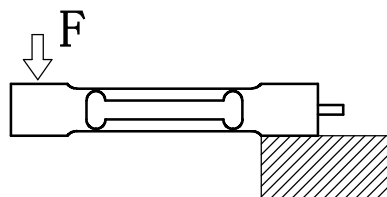
安装尺寸 Dimensions



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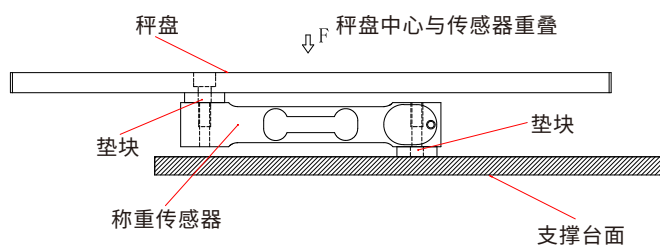


受力方向 Load Direction

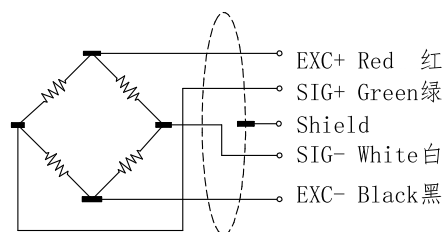


安装方式 Installation

● 平行梁安装



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	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	-	铝合金
最大秤盘尺寸 Maximum size of the scale	mm	300x300

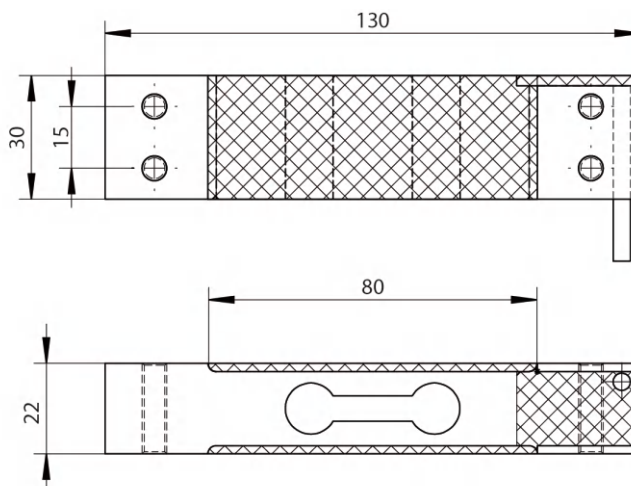
传感器精度参数 Sensor Accuracy Parameters

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

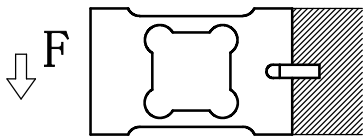
安装尺寸 Dimensions



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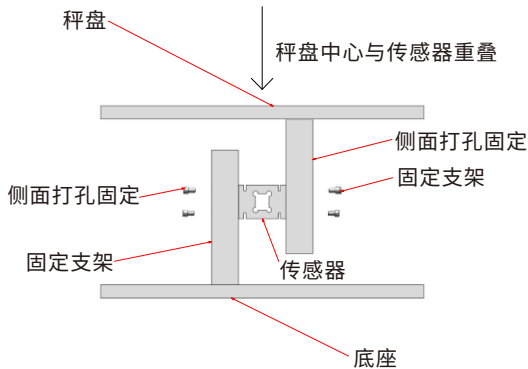
称重传感器

受力方向 Load Direction

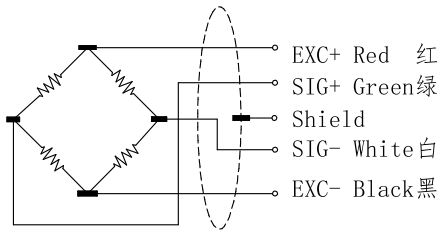


安装方式 Installation

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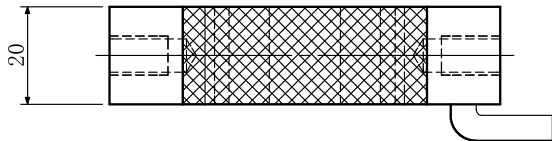
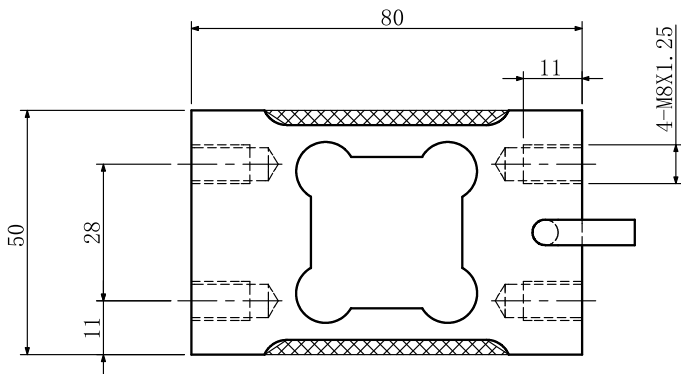
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	4,8,15,20kg	
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	φ4×0.16m	
弹性体材料 Spring Element Material	-	铝合金	
最大秤盘尺寸 Maximum size of the scale	mm	200×200	
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	

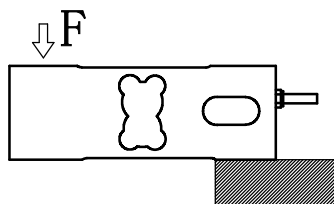
安装尺寸 Dimensions



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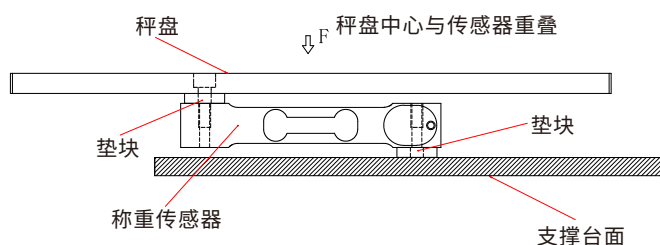


受力方向 Load Direction

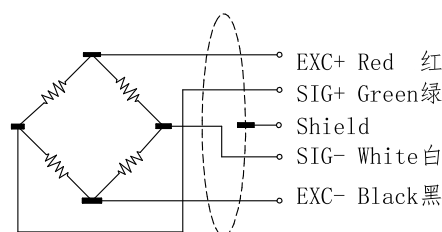


安装方式 Installation

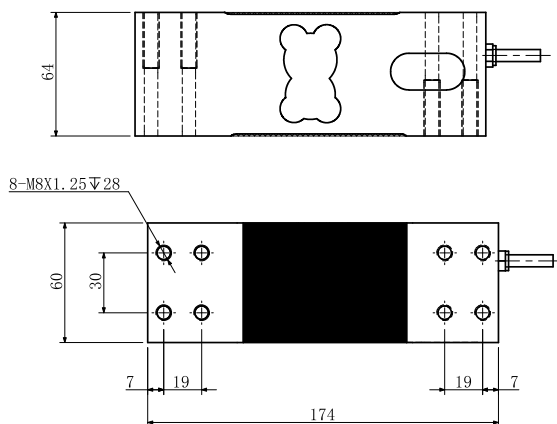
● 平行梁安装



接线图 Wiring



安装尺寸 Dimensions



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	-	铝合金
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

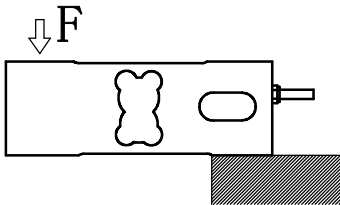
传感器电气参数 Electrical Parameters

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

FA506A

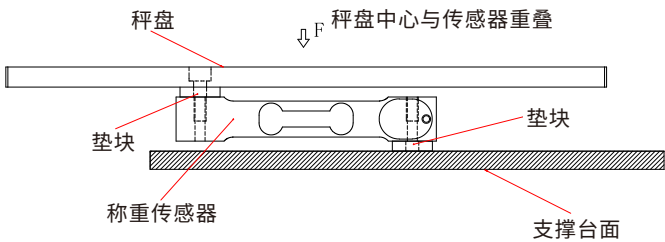
称重传感器

受力方向 Load Direction

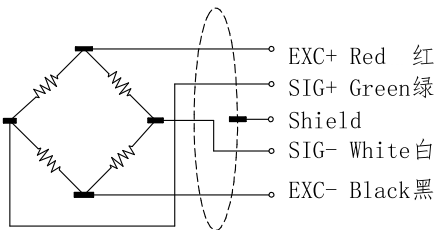


安装方式 Installation

● 平行梁安装



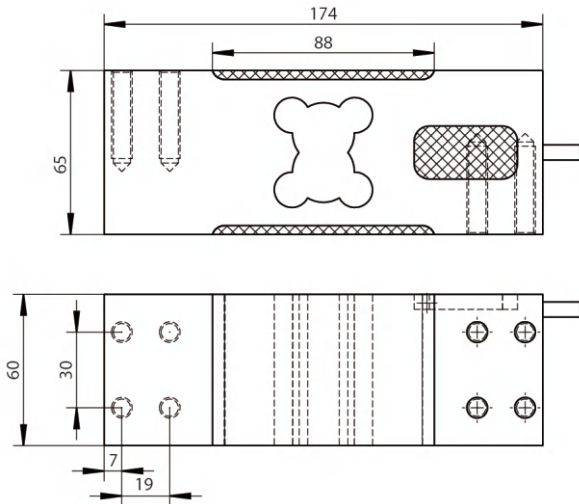
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	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	-	铝合金
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

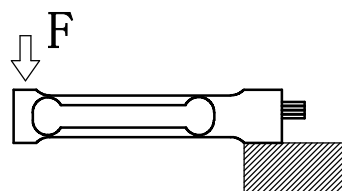
安装尺寸 Dimensions



FA507

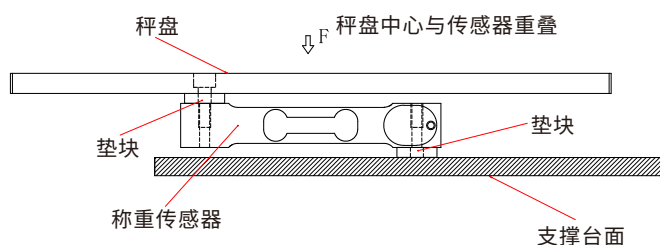


受力方向 Load Direction

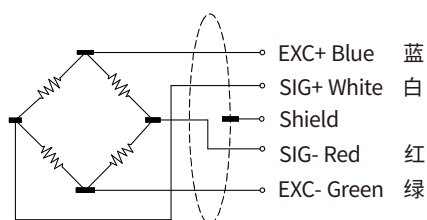


安装方式 Installation

● 平行梁安装



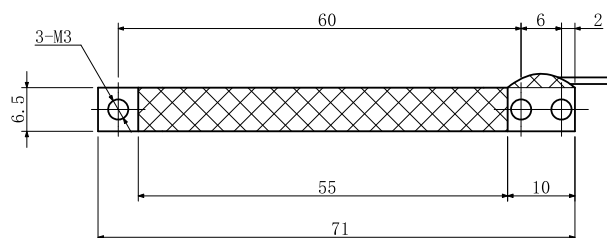
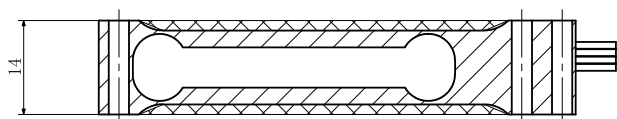
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	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	-	铝合金
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

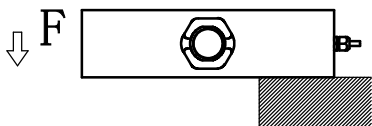
安装尺寸 Dimensions



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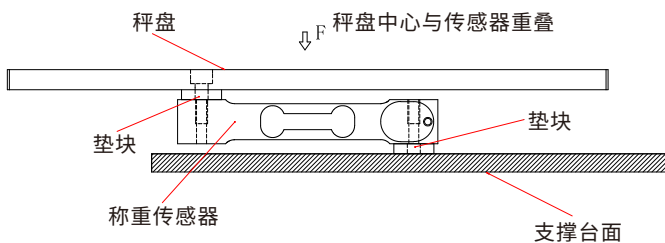
称重传感器

受力方向 Load Direction

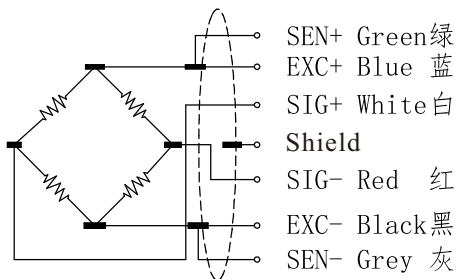


安装方式 Installation

● 平行梁安装



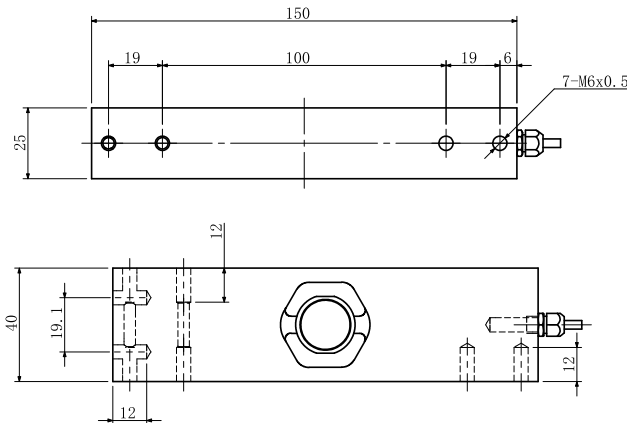
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	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	°C	-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	-	不锈钢	
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°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	

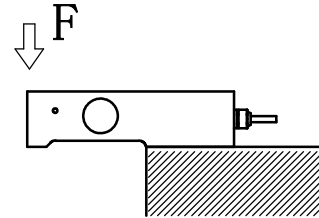
安装尺寸 Dimensions



FA509A

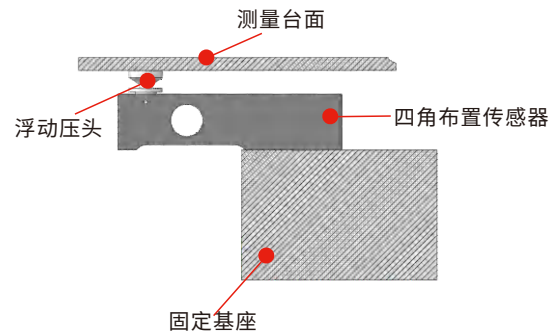


受力方向 Load Direction

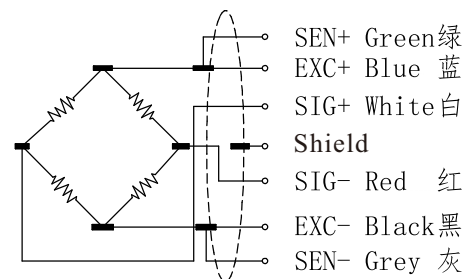


安装方式 Installation

● 悬臂梁安装



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	0.22~4.4t
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	°C	-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	-	压向

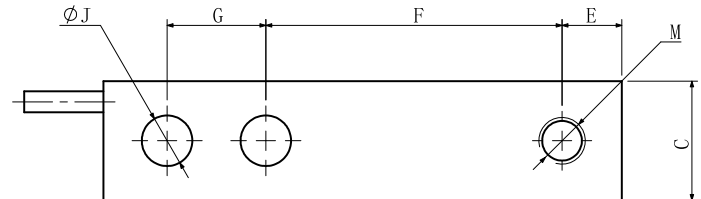
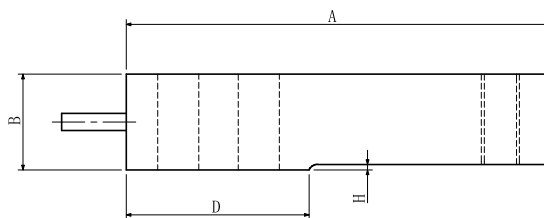
传感器精度参数 Sensor Accuracy Parameters

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



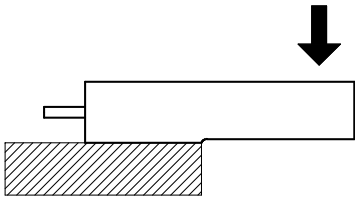
Cap(t)	A	B	C	D	E	F	G	H	J	M
0.11,0.22,0.55,1.1	133.4	30.2	30.7	57.7	15.4	76.2	25.4	1.7	13	M12
1.76	133.4	30.2	30.7	51.7	15.4	76.2	25.4	1.7	13	M12
2.2	171.5	36.5	36.8	76.2	19.1	95.3	38.1	2.5	20.5	M20
4.4	171.5	42.9	42.9	76.2	19.1	95.3	38.1	2.5	20.5	M20

FA509B

称重传感器

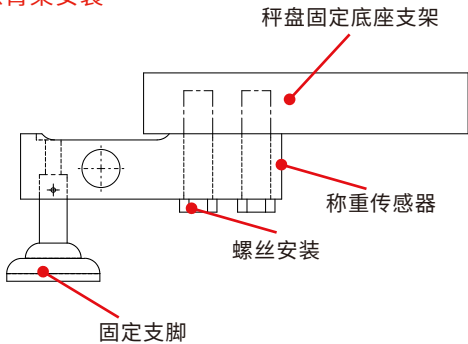


受力方向 Load Direction

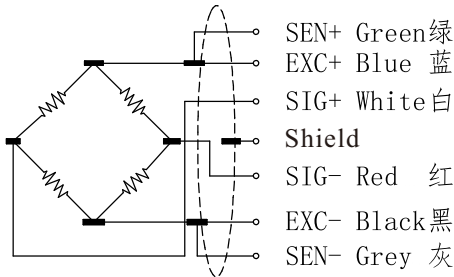


安装方式 Installation

●悬臂梁安装



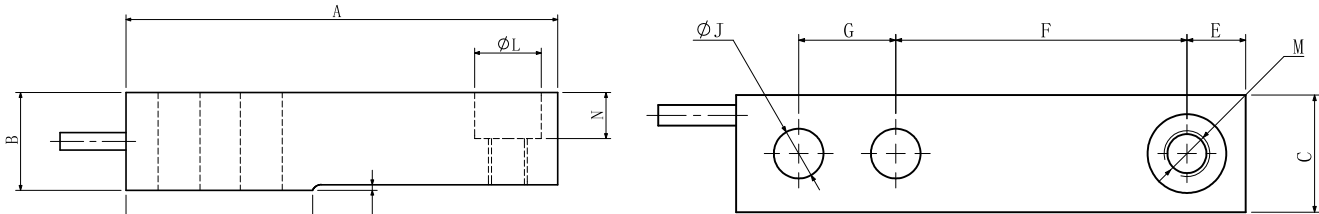
接线图 Wiring



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	°C	-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	-	压向	
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(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

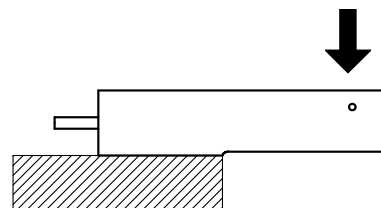


Cap(t)	A	B	C	D	E	F	G	H	J	L	M	N
0.11,0.22,0.55,1.1	133.4	30.2	30.7	57.7	15.4	76.2	25.4	1.7	13	20.6	M12	14.2
1.76	133.4	30.2	30.7	51.7	15.4	76.2	25.4	1.7	13	20.6	M12	14.2
2.2	171.5	36.5	36.8	76.2	19.1	95.3	38.1	2.5	20.5	30.2	M20	17.0
4.4	171.5	42.9	42.9	76.2	19.1	95.3	38.1	2.5	20.5	30.2	M20	20.1
10	245.1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

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	-	压向

传感器精度参数 Sensor Accuracy Parameters

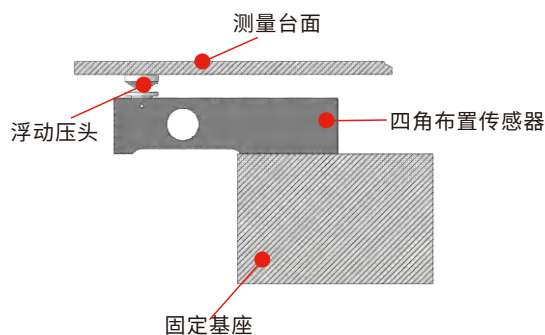
综合精度 Combined Error	%	0.0166
线性误差 Non-linearity	%	0.0166
相对滞后 Hysteresis	%	0.0166
重复误差 Repeatability	%	0.0166
负载蠕变 Creep (30 min)	%	0.0166
温度漂移 Temperature Effect on Output	%	0.014%/10°C

传感器电气参数 Electrical Parameters

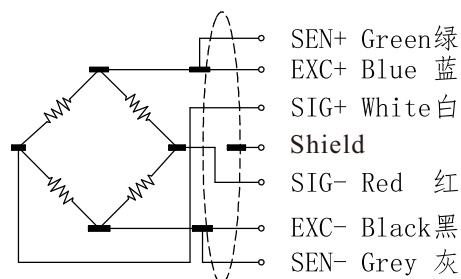
满量程输出 Rated Output	mV/V	1.94±10%
激励电压 Excitation Voltage	V(DC)	5~15
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

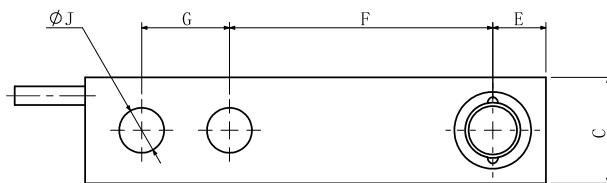
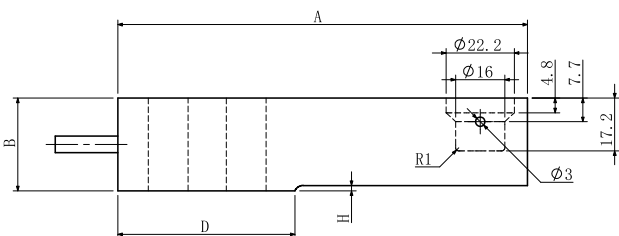
● 悬臂梁安装



接线图 Wiring



安装尺寸 Dimensions

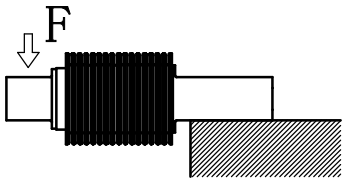


Cap(t)	A	B	C	D	E	F	G	H	J
0.11,0.22,0.55,1.1	133.4	30.2	30.7	57.7	15.4	76.2	25.4	1.7	13
1.76	133.4	30.2	30.7	51.7	15.4	76.2	25.4	1.7	13

FA510

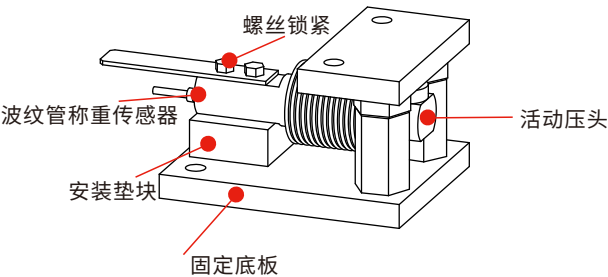
称重传感器

受力方向 Load Direction

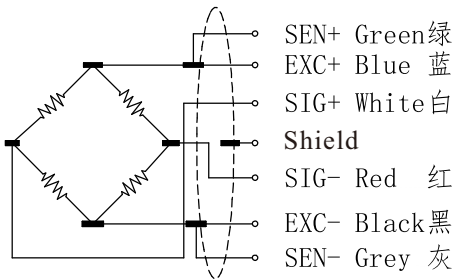


安装方式 Installation

● 波纹管安装



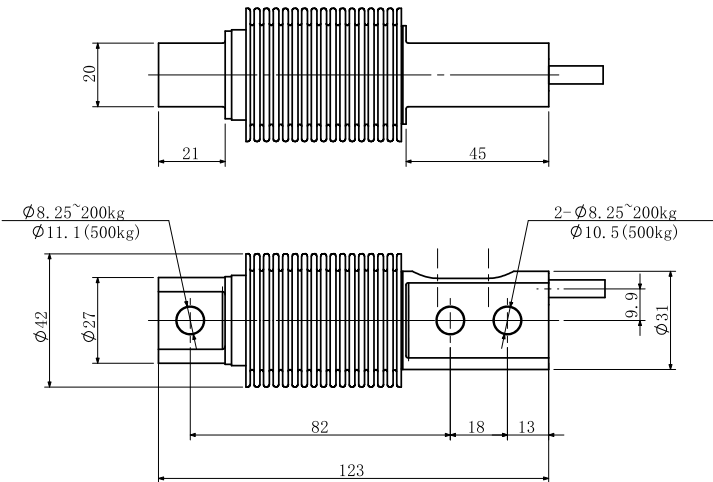
接线图 Wiring



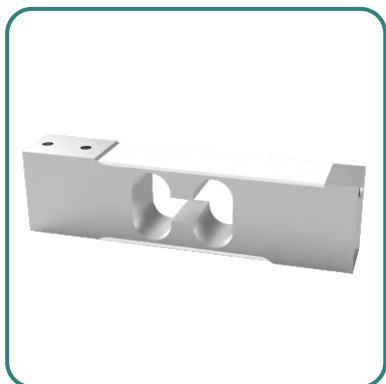
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	5,10,20,50,100, 200,500kg	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-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		不锈钢	
测量方向 Loading Direction		压向	
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°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)	5~15	
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100	

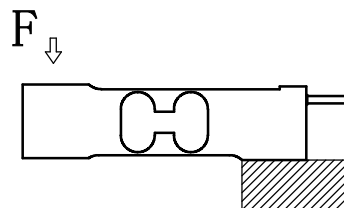
安装尺寸 Dimensions



FA511

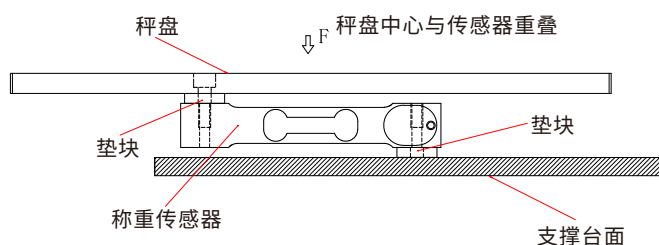


受力方向 Load Direction

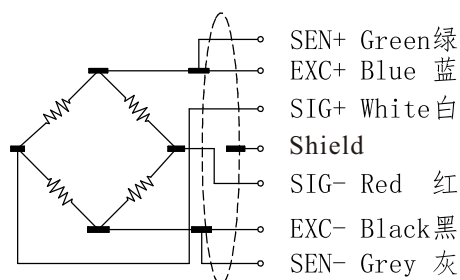


安装方式 Installation

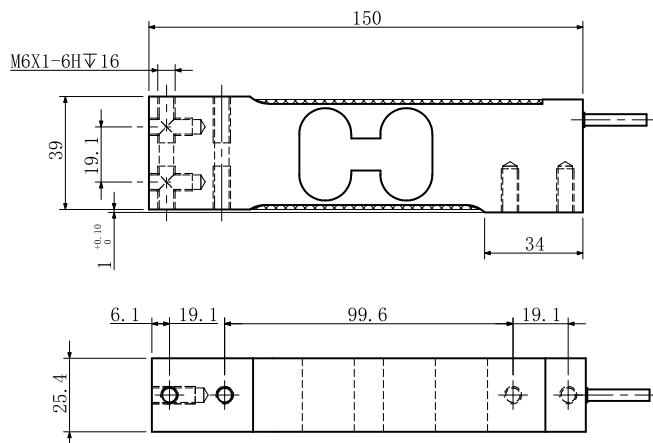
● 平行梁安装



接线图 Wiring



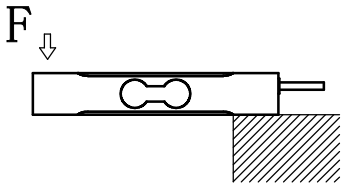
安装尺寸 Dimensions



FA513

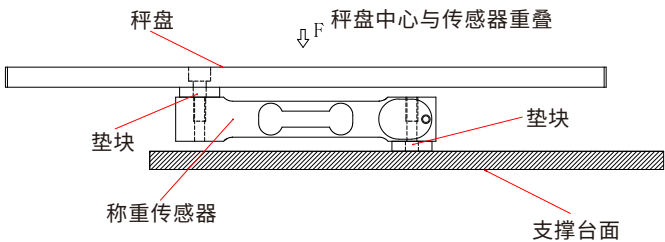
称重传感器

受力方向 Load Direction

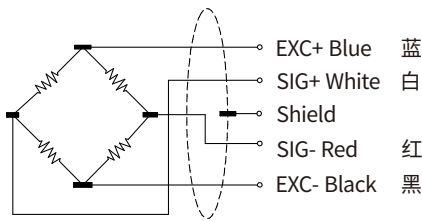


安装方式 Installation

● 平行梁安装



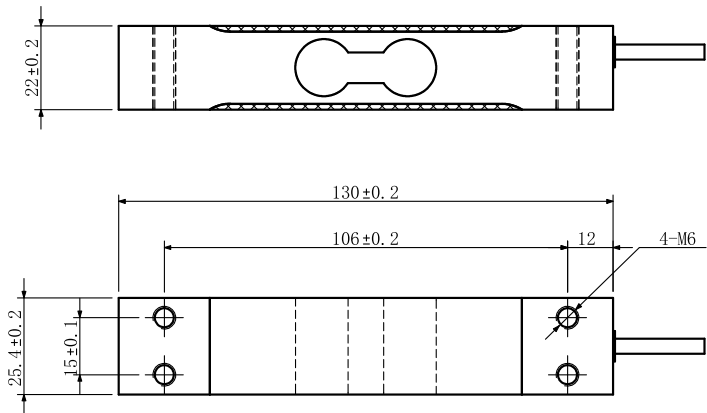
接线图 Wiring



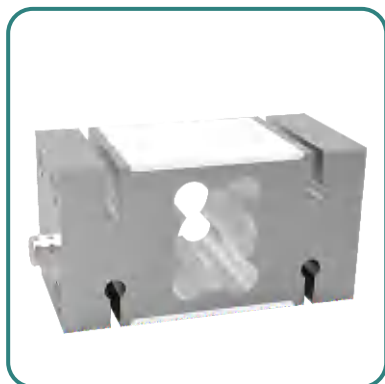
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	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	-	铝合金
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

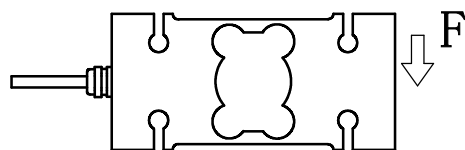
安装尺寸 Dimensions



FA514

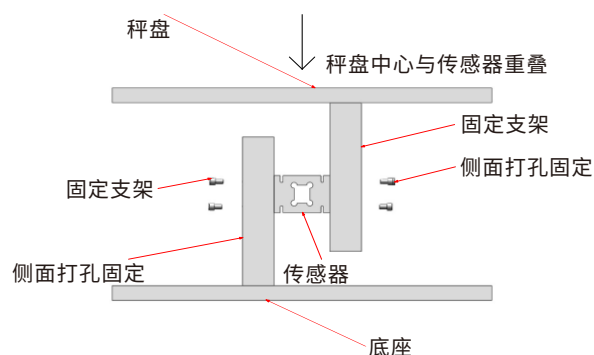


受力方向 Load Direction

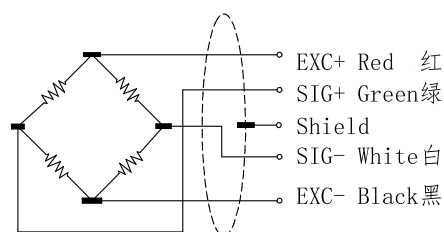


安装方式 Installation

● 平行梁安装



接线图 Wiring



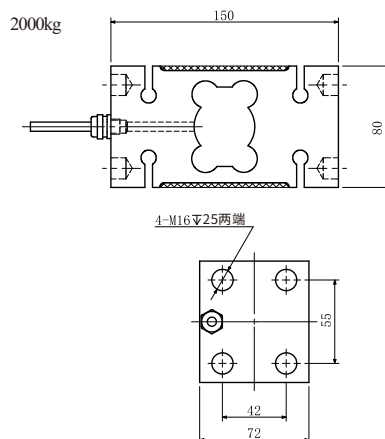
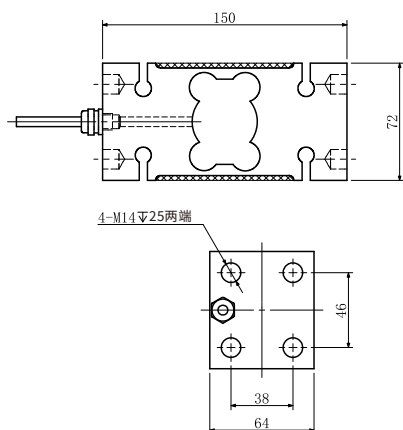
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	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	-	合金钢	
最大秤盘尺寸 Maximum size of the scale	mm	1200x1200(按量程选择)	

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	

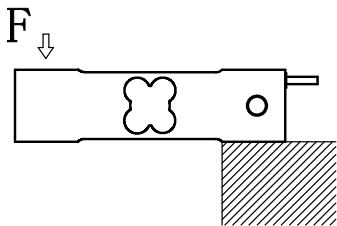
安装尺寸 Dimensions



FA515

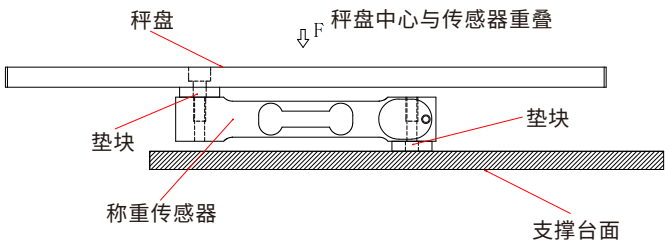
称重传感器

受力方向 Load Direction

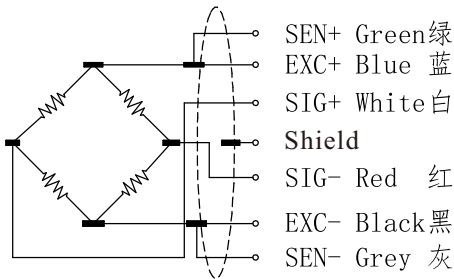


安装方式 Installation

● 平行梁安装



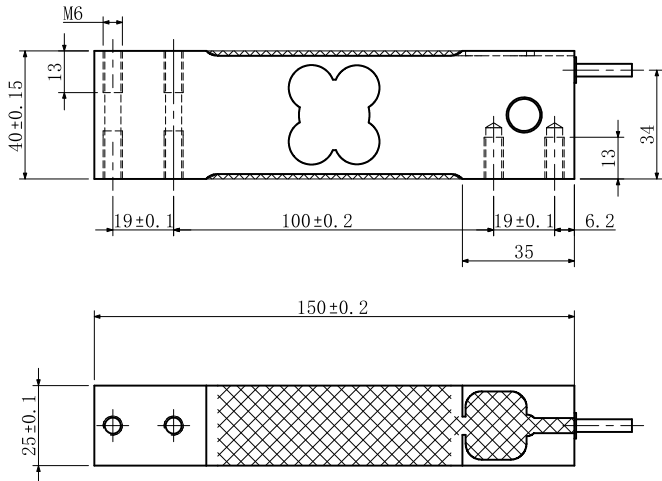
接线图 Wiring



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	°C	-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	-	不锈钢
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

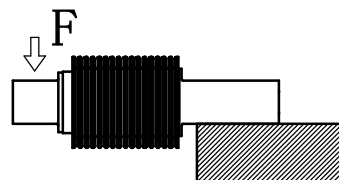
安装尺寸 Dimensions



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	-	不锈钢
最大秤盘尺寸 Maximum size of the scale	-	压向

传感器精度参数 Sensor Accuracy Parameters

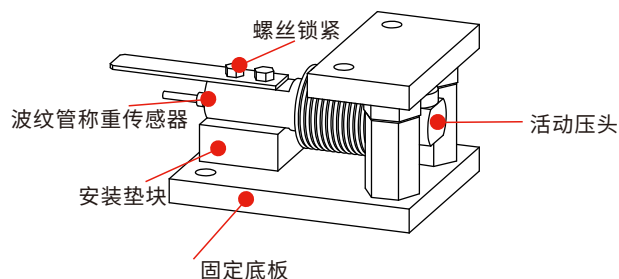
综合精度 Combined Error	%	0.02
线性误差 Non-linearity	%	0.02
相对滞后 Hysteresis	%	0.02
重复误差 Repeatability	%	0.018
负载蠕变 Creep (30 min)	%	0.0166
温度漂移 Temperature Effect on Output	%	0.008%/10°C

传感器电气参数 Electrical Parameters

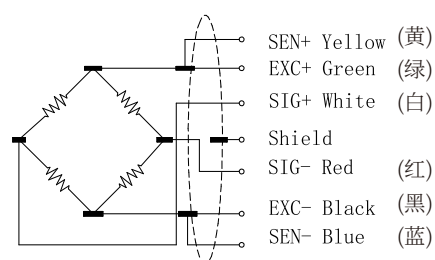
满量程输出 Rated Output	mV/V	2.0±0.2
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

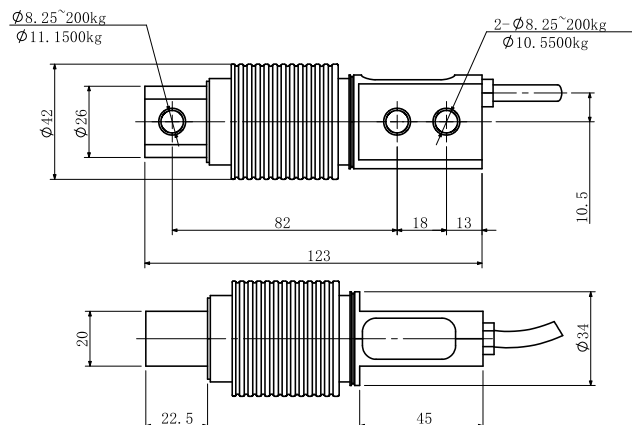
● 波纹管安装



接线图 Wiring



安装尺寸 Dimensions

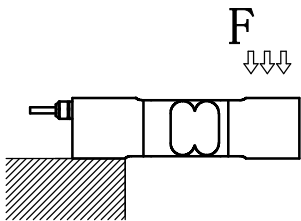


FA546

称重传感器

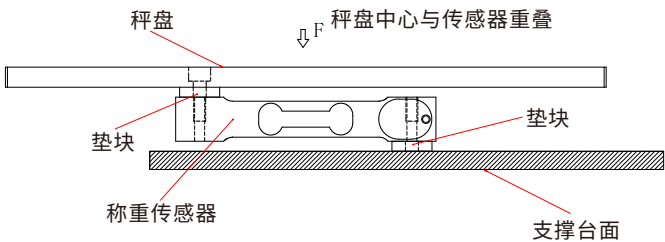


受力方向 Load Direction

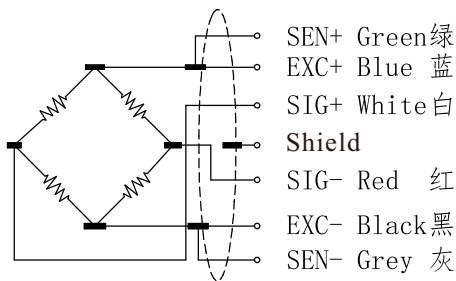


安装方式 Installation

● 平行梁安装



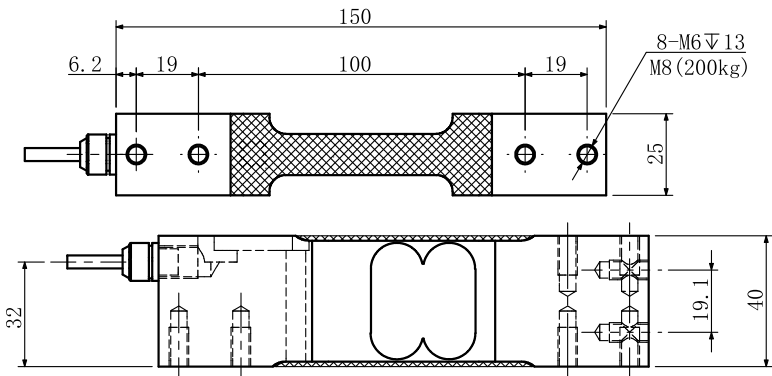
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	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	-	不锈钢/铝合金
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

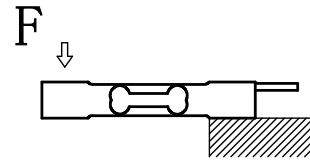
安装尺寸 Dimensions



FA552

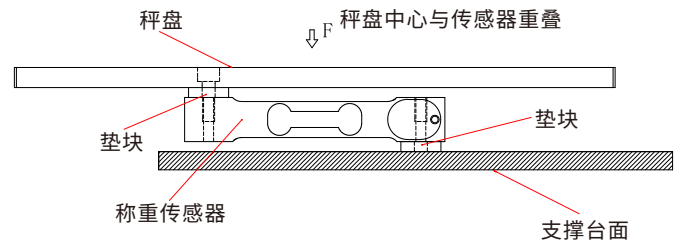


受力方向 Load Direction

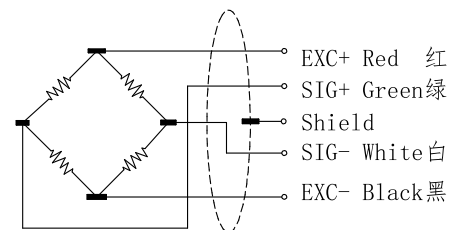


安装方式 Installation

● 平行梁安装



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	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	-	不锈钢
最大秤盘尺寸 Maximum size of the scale	mm	300x300

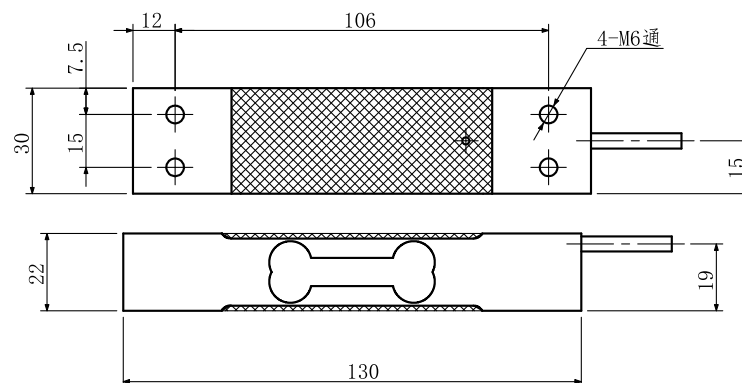
传感器精度参数 Sensor Accuracy Parameters

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

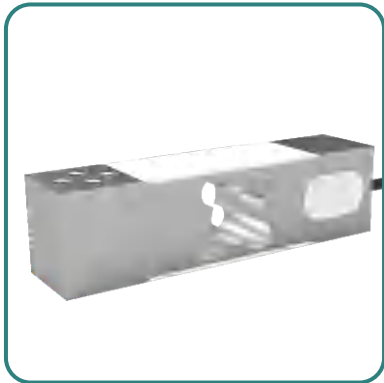
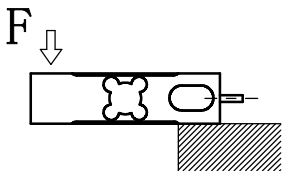
安装尺寸 Dimensions



FA565

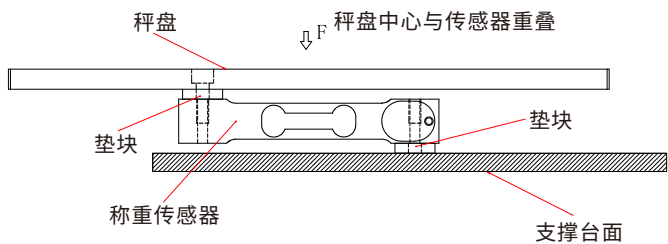
称重传感器

受力方向 Load Direction

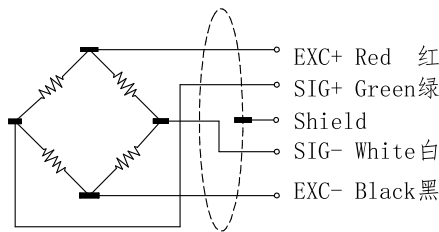


安装方式 Installation

● 平行梁安装



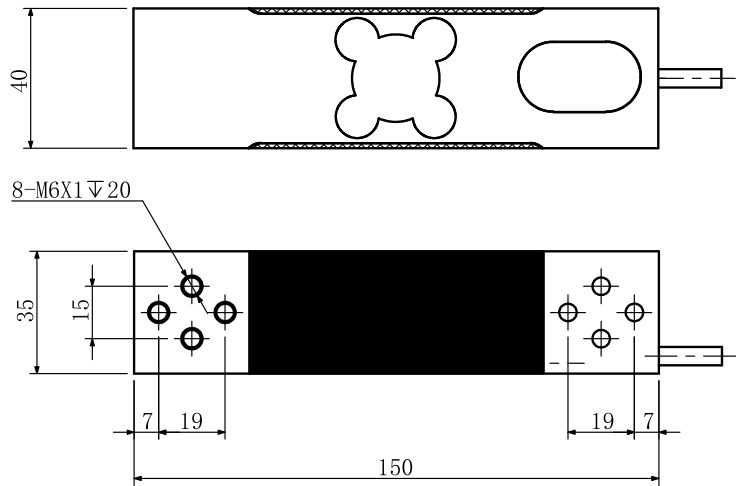
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	60~500kg
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	φ5x1.5m
弹性体材料 Spring Element Material	-	铝合金
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°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	≥5000/100

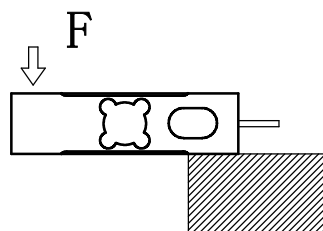
安装尺寸 Dimensions



FA566

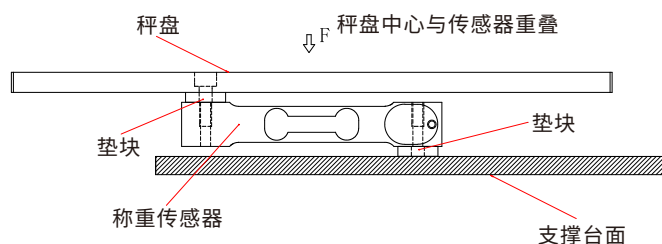


受力方向 Load Direction

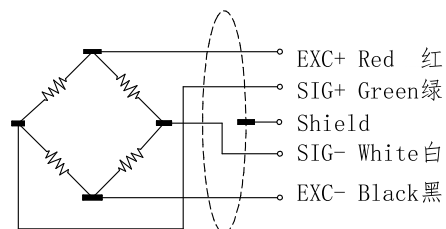


安装方式 Installation

● 平行梁安装



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	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	-	铝合金
最大秤盘尺寸 Maximum size of the scale	mm	500x500

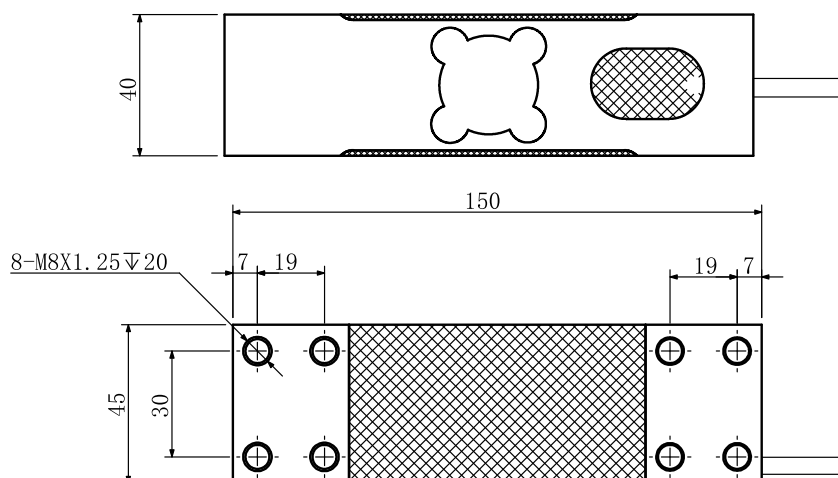
传感器精度参数 Sensor Accuracy Parameters

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

安装尺寸 Dimensions

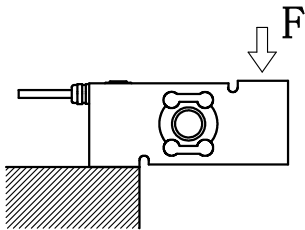


FA568

称重传感器

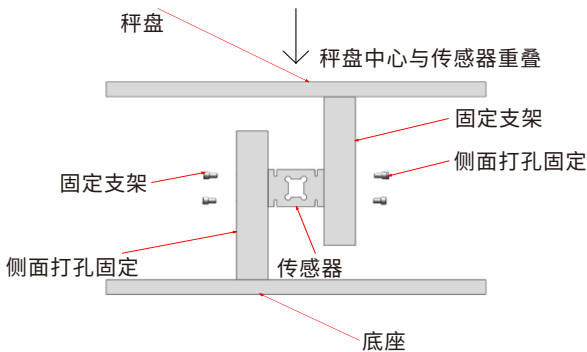


受力方向 Load Direction

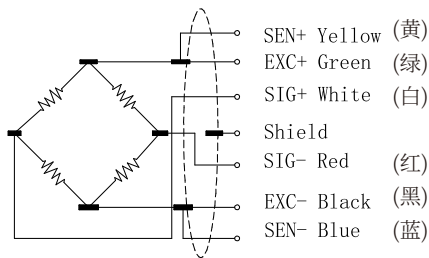


安装方式 Installation

● 平行梁安装



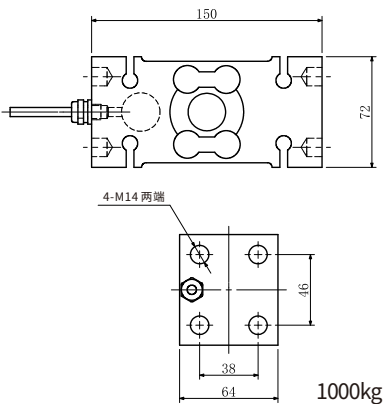
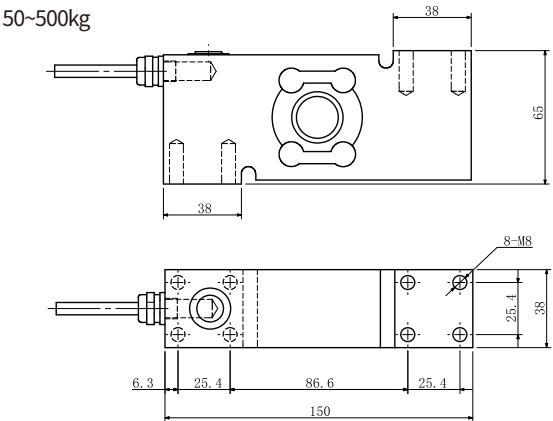
接线图 Wiring



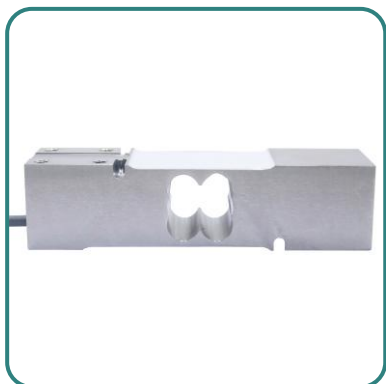
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	50,100,200,300,500,1000kg	
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	-	不锈钢	
最大秤盘尺寸 Maximum size of the	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	

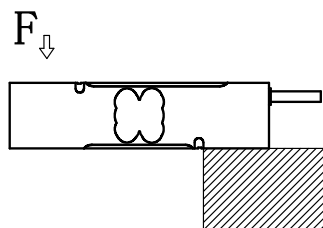
安装尺寸 Dimensions



FA578

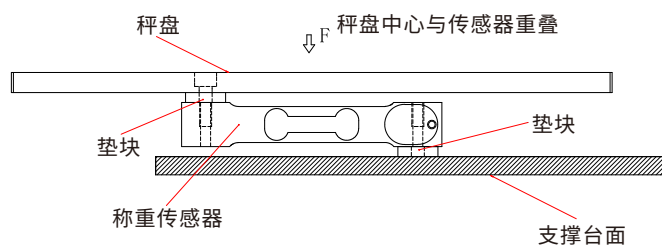


受力方向 Load Direction



安装方式 Installation

● 平行梁安装



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	°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	-	铝合金
最大秤盘尺寸 Maximum size of the scale	mm	600x500

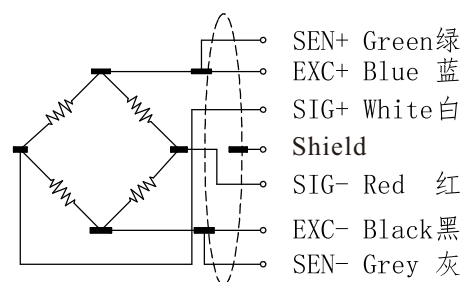
传感器精度参数 Sensor Accuracy Parameters

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°C

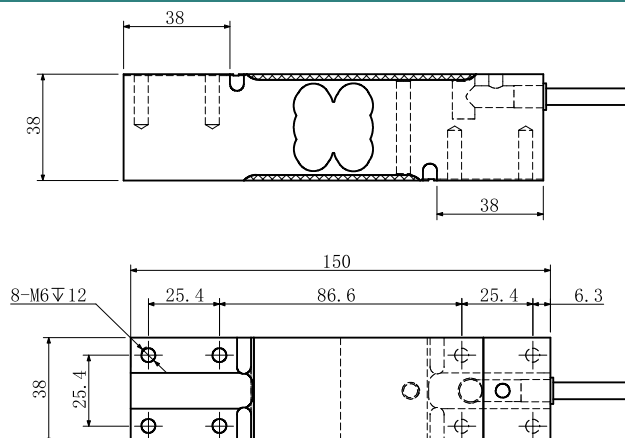
传感器电气参数 Electrical Parameters

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



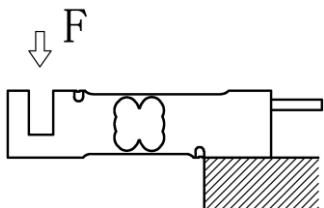
安装尺寸 Dimensions



FA579

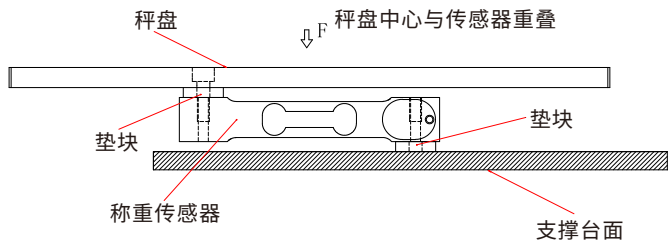
称重传感器

受力方向 Load Direction

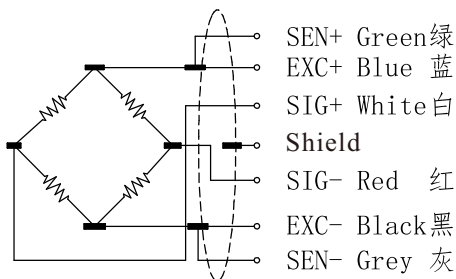


安装方式 Installation

● 平行梁安装



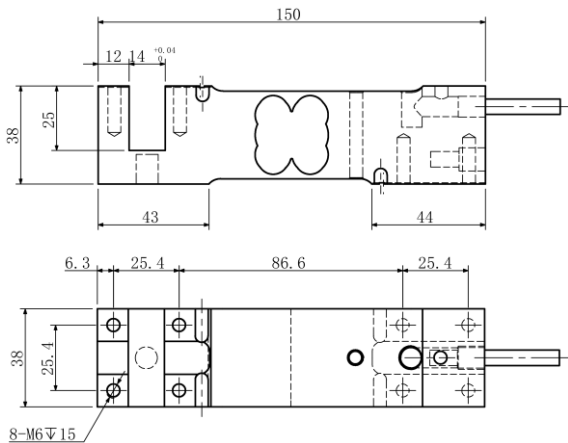
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	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	-	铝合金	
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	

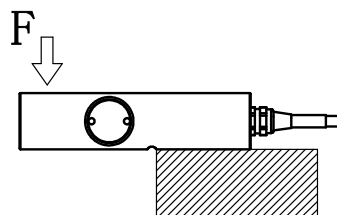
安装尺寸 Dimensions



FA5157

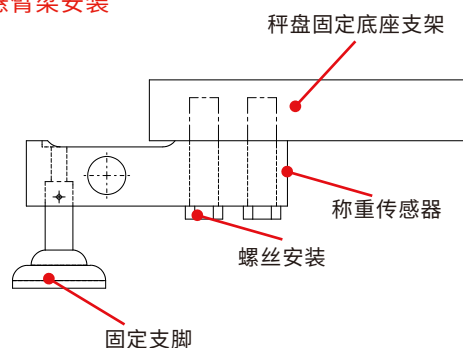


受力方向 Load Direction



安装方式 Installation

● 悬臂梁安装



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芯/6芯)
弹性体材料 Spring Element Material		合金钢
测量方向 Loading Direction		压向

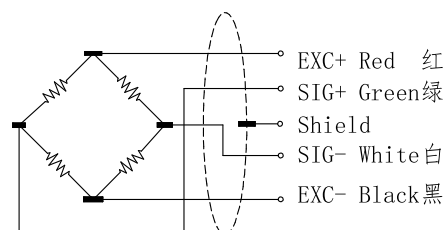
传感器精度参数 Sensor Accuracy Parameters

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

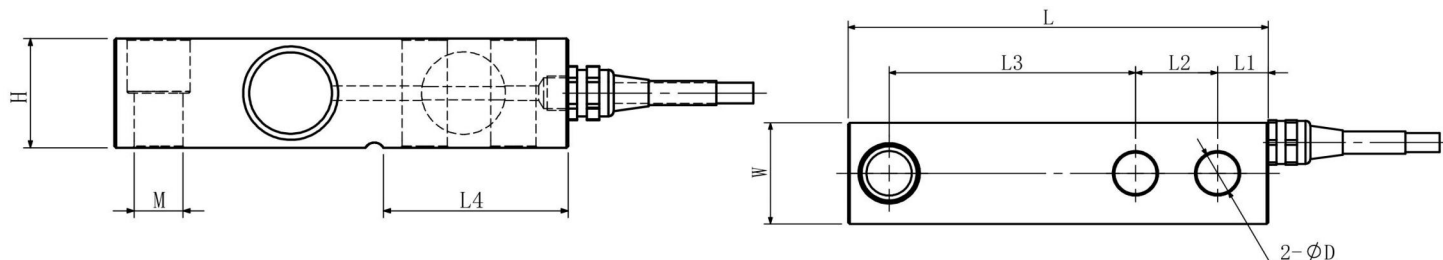
传感器电气参数 Electrical Parameters

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

接线图 Wiring



安装尺寸 Dimensions

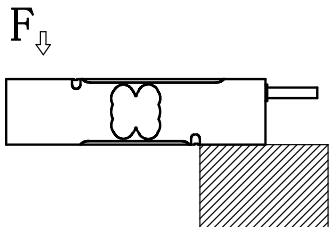


Cap(t)	L	L1	L2	L3	L4	H	W	D	M
0.5~3	130	15.7	25.4	76.2	52.9	31.8	31.8	13	M12/16
5	171.5	19.1	38.1	95.3	78.9	38.1	38.1	20	M18*1.5
10	225.6	25.4	50.8	124	110	50.8	50.8	26	M24*2

FA5223

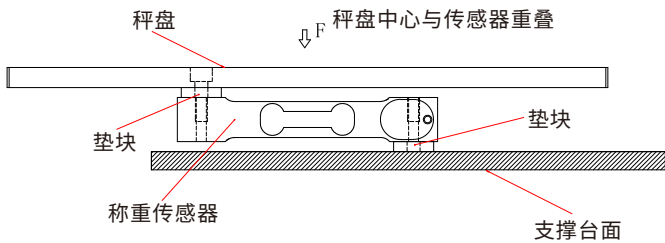
称重传感器

受力方向 Load Direction

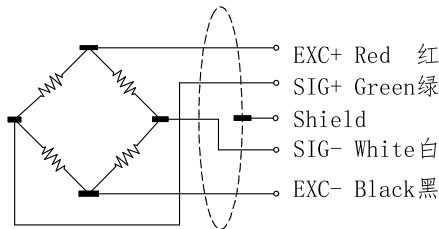


安装方式 Installation

● 平行梁安装



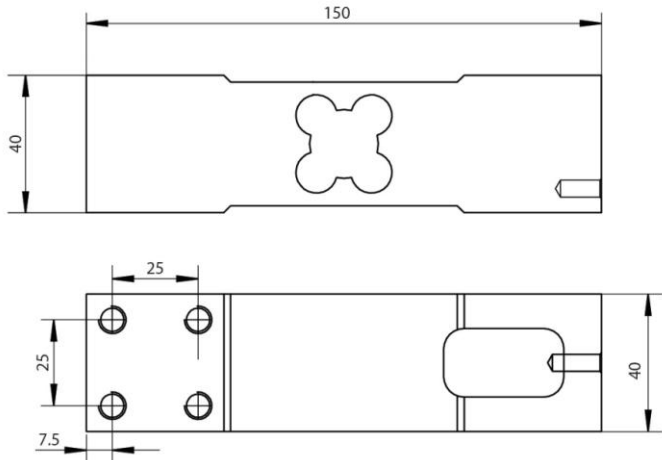
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	200, 300, 500kg	
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	φ5x1.9m	
弹性体材料 Spring Element Material	-	铝合金	
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	

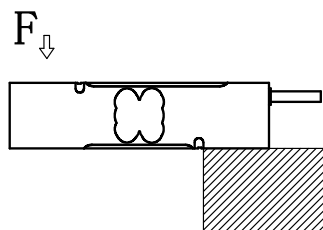
安装尺寸 Dimensions



FA5231

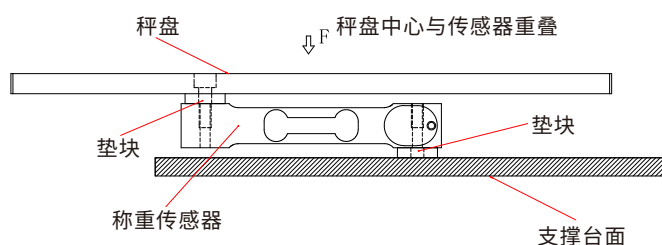


受力方向 Load Direction

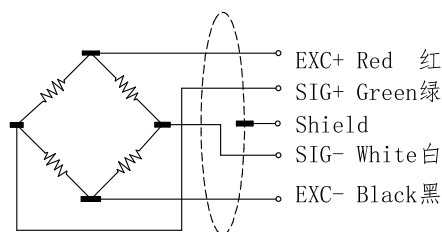


安装方式 Installation

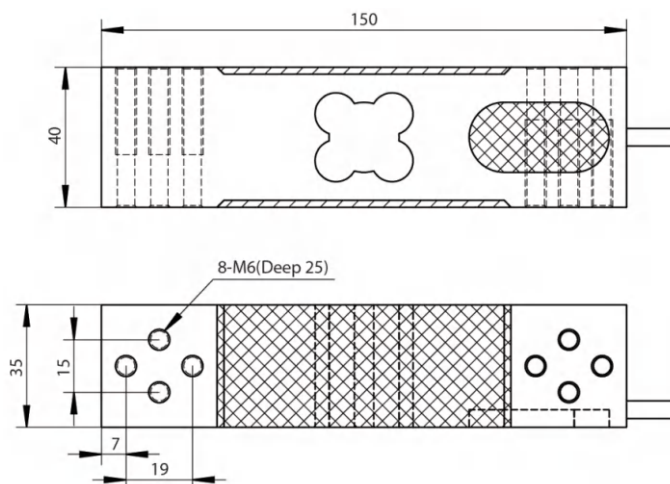
● 平行梁安装



接线图 Wiring



安装尺寸 Dimensions



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	°C	-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	-	合金钢
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

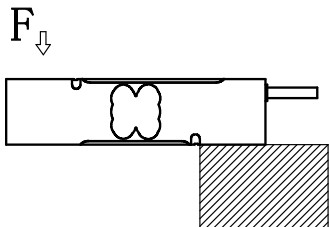
传感器电气参数 Electrical Parameters

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

FA5232

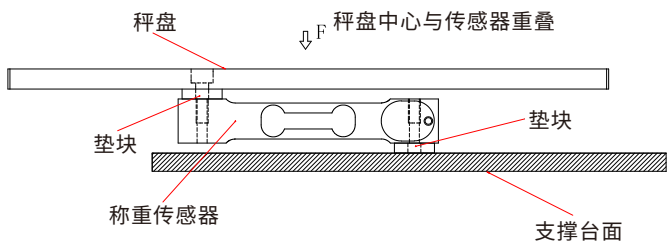
称重传感器

受力方向 Load Direction

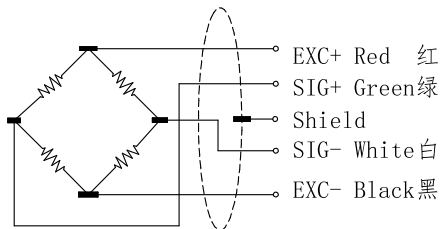


安装方式 Installation

● 平行梁安装



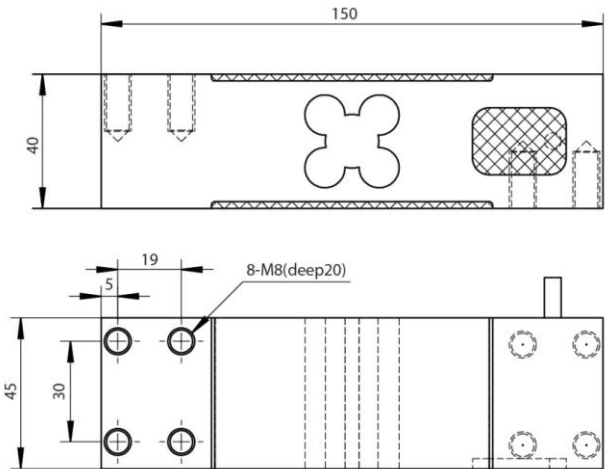
接线图 Wiring



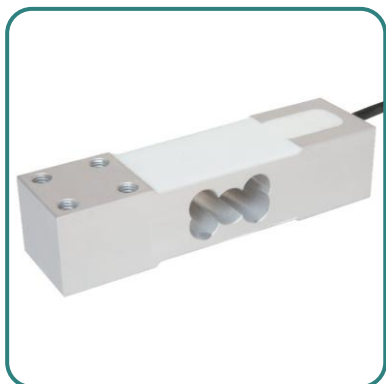
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	15,50,100,200kg	
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	-	铝合金	
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	%	0.017	
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	

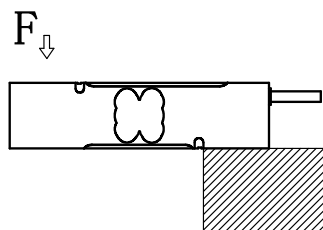
安装尺寸 Dimensions



FA5233

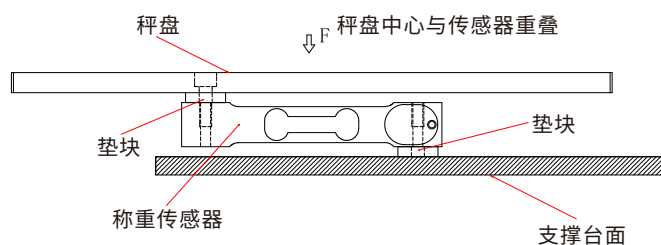


受力方向 Load Direction

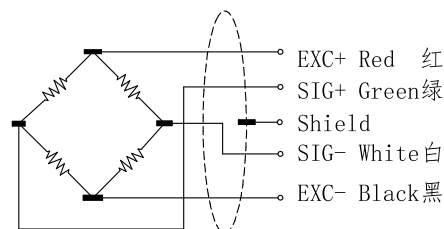


安装方式 Installation

● 平行梁安装



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	200,300,500kg
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	φ5.0x1.9m
弹性体材料 Spring Element Material	-	铝合金
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°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

