

拉压力传感器

Spoke Load Cell

本公司自主生产拉压力传感器,尺寸小巧,结构多样,安装方式采用螺杆或螺纹孔固定。激光焊接处理,IP等级高。采用电阻应变式原理,响应频率快,安全性高,使用寿命长。
(仅展示部分常规品,支持非标定制。)

Tension and Compression Sensor:

Our company specializes in the independent production of compact pressure sensors, featuring diverse structures and offering installation options using screw or threaded hole fixation. Sensors undergo laser welding treatment, with high IP rating. Using resistance strain gauge principle, fast response frequency, high safety, long service life.
(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:

插拔力测试机、焊接机、冷热压贴膜机、键盘按钮手感度测试仪、料斗秤、力值试验机 etc 拉压力测试以及自动化设备和测试领域。

Applications:

Inserting and pulling force testing machine, welding machine, hot and cold pressing film machine, keyboard button feel tester, hopper scale, force value testing machine and other tensile pressure testing and automation equipment and testing fields.

专业生产传感器

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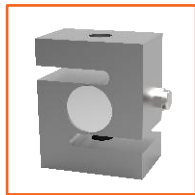
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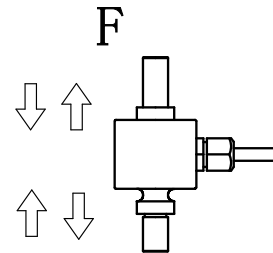


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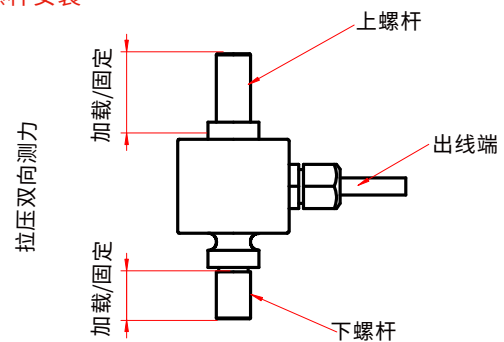


受力方向 Load Direction

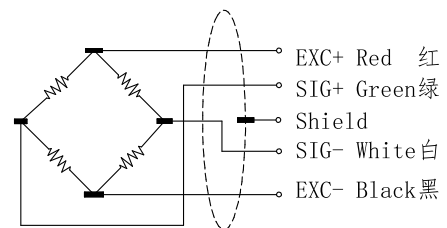


安装方式 Installation

● 螺杆安装



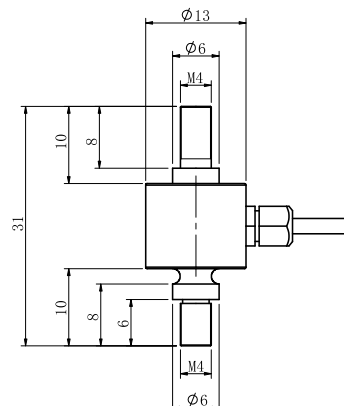
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	N	50,100,200,500,1000N	
满量程位移量 Deflection at Full Scale	mm	<0.014	
固有频率 Natural Frequency	Hz	>5K	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ2×3m	
弹性体材料 Spring Element Material	-	17-4PH	
测量方向 Loading Direction	-	拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.5	
线性误差 Non-linearity	%	≤0.5	
相对滞后 Hysteresis	%	≤0.5	
重复误差 Repeatability	%	≤0.1	
负载蠕变 Creep (30 min)	%	≤0.5	
温度漂移 Temperature Effect on Output	%	0.1%/10°C	
传感器电气参数 Electrical Parameters			
满量程输出 Rated Output	mV/V	1.0±20%	
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

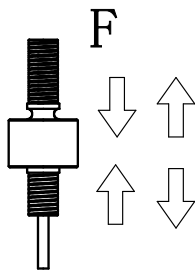


FA202

拉压力传感器

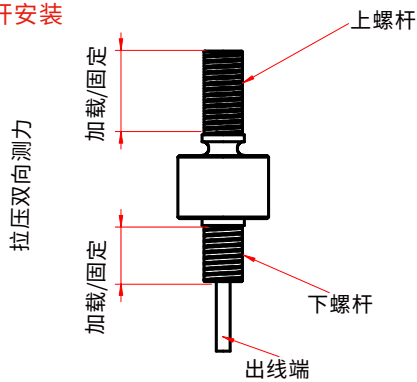


受力方向 Load Direction

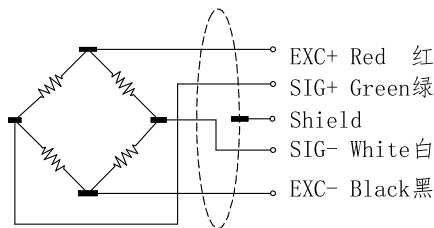


安装方式 Installation

● 螺杆安装



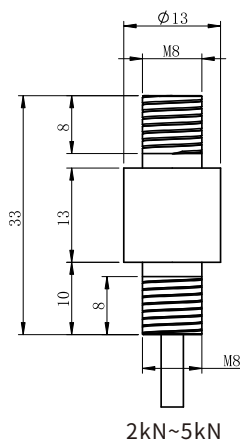
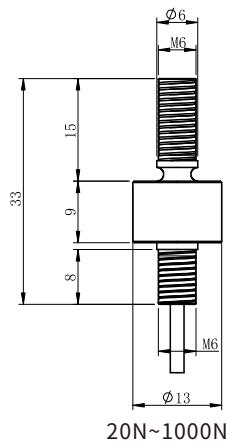
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	N/kN	50,100,150,200,300,500N, 1,2,3,5kN	
满量程位移量 Deflection at Full Scale	mm	<0.024	
固有频率 Natural Frequency	Hz	>5K	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ2/φ3×3m	
弹性体材料 Spring Element Material	-	17-4PH	
测量方向 Loading Direction	-	拉压	
传感器电气参数 Electrical Parameters			
综合精度 Combined Error	%	≤0.2	
线性误差 Non-linearity	%	≤0.2	
相对滞后 Hysteresis	%	≤0.2	
重复误差 Repeatability	%	≤0.1	
负载蠕变 Creep (30 min)	%	≤0.5	
温度漂移 Temperature Effect on Output	%	0.1%/10°C	
满量程输出 Rated Output	mV/V	1.0±20%	
激励电压 Excitation Voltage	V(DC)	5~10	
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100	

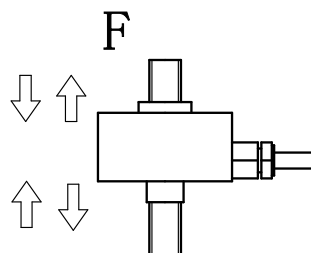
安装尺寸 Dimensions



FA203

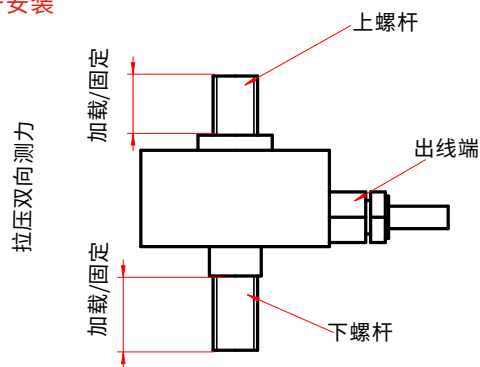


受力方向 Load Direction

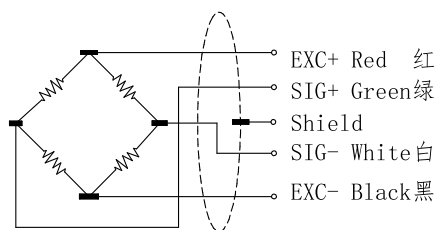


安装方式 Installation

● 螺杆安装



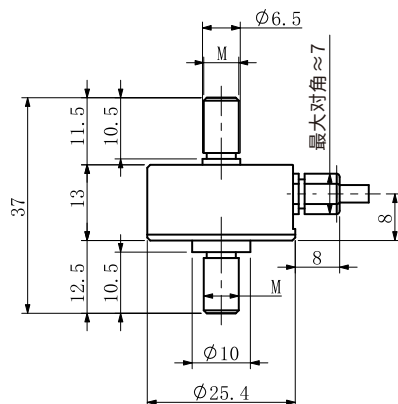
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	N	50,100,200,500,1000,2000N
满量程位移量 Deflection at Full Scale	mm	<0.06
固有频率 Natural Frequency	Hz	>5K
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~70
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ3×3m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.1
线性误差 Non-linearity	%	≤0.1
相对滞后 Hysteresis	%	≤0.1
重复误差 Repeatability	%	≤0.1
负载蠕变 Creep (30 min)	%	≤0.1
温度漂移 Temperature Effect on Output	%	0.1%/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

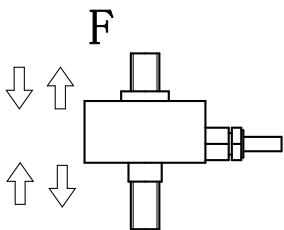


CAP(N)	M
50~500	M5X0.8
1000~2000	M6X1

FA204

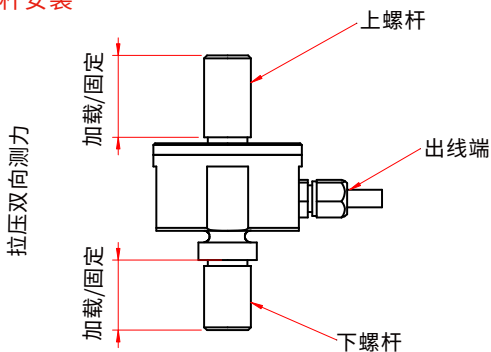
拉压力传感器

受力方向 Load Direction

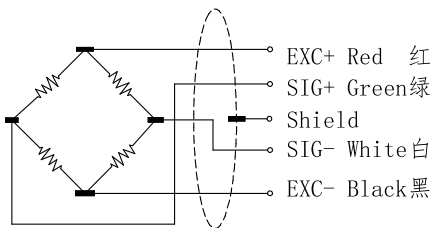


安装方式 Installation

● 螺杆安装



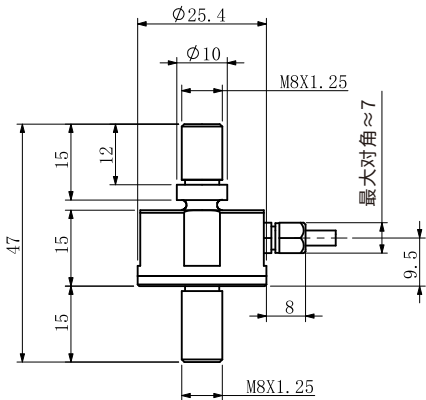
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	N	2000,5000N
满量程位移量 Deflection at Full Scale	mm	<0.06
固有频率 Natural Frequency	Hz	>2K
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~70
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ3×3m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.1
线性误差 Non-linearity	%	≤0.1
相对滞后 Hysteresis	%	≤0.1
重复误差 Repeatability	%	≤0.1
负载蠕变 Creep (30 min)	%	≤0.1
温度漂移 Temperature Effect on Output	%	0.1%/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

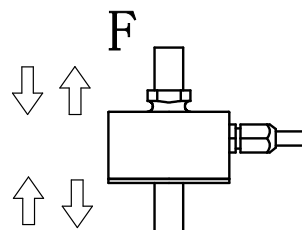
安装尺寸 Dimensions



FA205

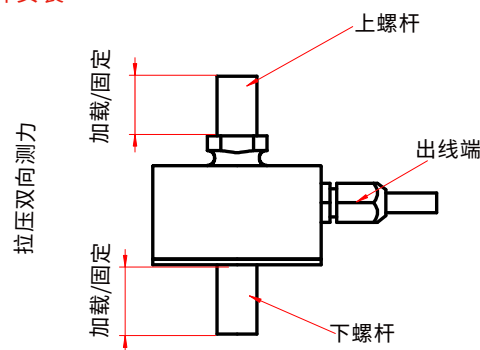


受力方向 Load Direction

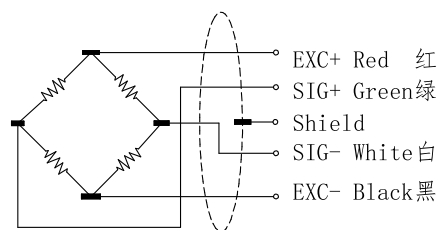


安装方式 Installation

● 螺杆安装



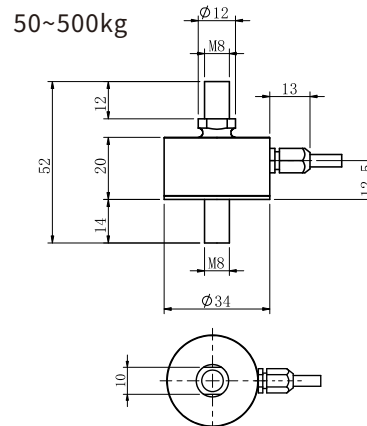
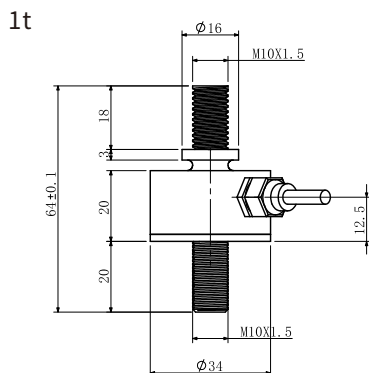
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kg	50,100,200,500,1000kg
满量程位移量 Deflection at Full Scale	mm	<0.038
固有频率 Natural Frequency	Hz	>5K
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~70
防护等级 Ingress Protection (IP)	IP	65/68 (可选)
电缆长度 Cable	M	φ4×3m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.2
线性误差 Non-linearity	%	≤0.2
相对滞后 Hysteresis	%	≤0.1
重复误差 Repeatability	%	≤0.1
负载蠕变 Creep (30 min)	%	≤0.1
温度漂移 Temperature Effect on Output	%	0.1%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	1.8±20%
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

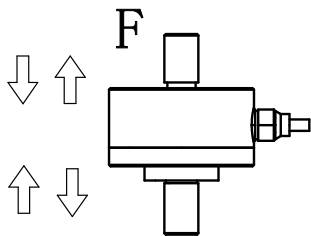


FA206

拉压力传感器

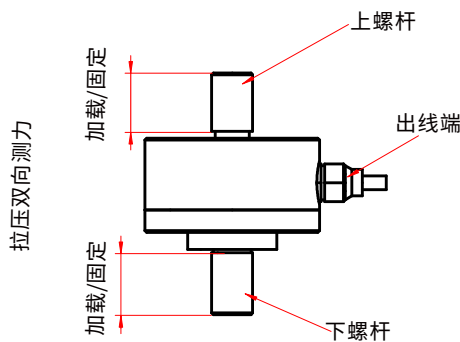


受力方向 Load Direction

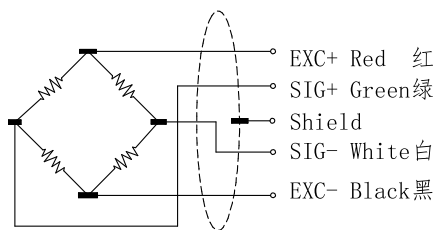


安装方式 Installation

● 螺杆安装



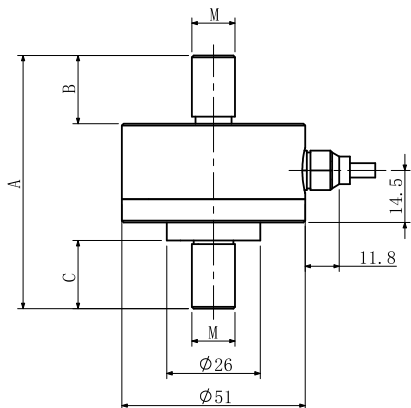
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	t	0.1,0.2,0.5,1,2,5t
满量程位移量 Deflection at Full Scale	mm	<0.058
固有频率 Natural Frequency	Hz	>5K
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~80
防护等级 Ingress Protection (IP)	IP	65/68(可选)
电缆长度 Cable	M	φ4×3m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.2
线性误差 Non-linearity	%	≤0.2
相对滞后 Hysteresis	%	≤0.1
重复误差 Repeatability	%	≤0.1
负载蠕变 Creep (30 min)	%	≤0.1
温度漂移 Temperature Effect on Output	%	0.1%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	1.5±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



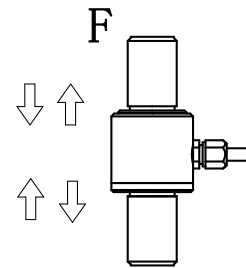
CAP(t)	A	B	C	M
0.1,0.2,0.5,1,2	71	19	18	M12X1.75
5	86	27	25	M16X2

FA207

拉压力传感器

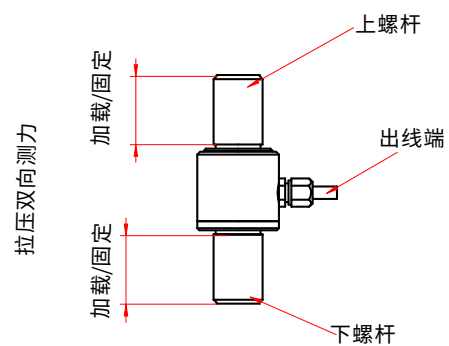


受力方向 Load Direction

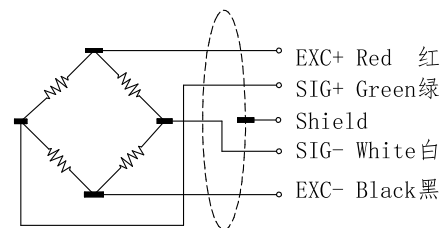


安装方式 Installation

● 螺杆安装



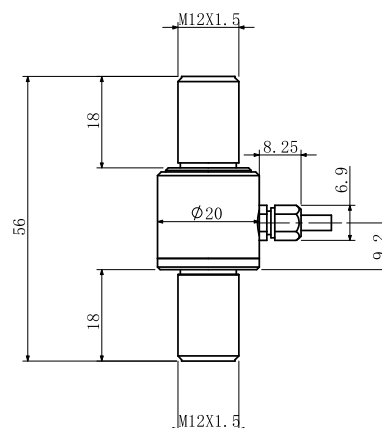
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	t	1, 2t	
满量程位移量 Deflection at Full Scale	mm	<0.033	
固有频率 Natural Frequency	Hz	>5K	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ3×3m	
弹性体材料 Spring Element Material	-	17-4PH	
测量方向 Loading Direction	-	拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.1	
线性误差 Non-linearity	%	≤0.1	
相对滞后 Hysteresis	%	≤0.1	
重复误差 Repeatability	%	≤0.1	
负载蠕变 Creep (30 min)	%	≤0.1	
温度漂移 Temperature Effect on Output	%	0.1%/10°C	
传感器电气参数 Electrical Parameters			
满量程输出 Rated Output	mV/V	1.5±10%	
激励电压 Excitation Voltage	V(DC)	5~12	
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100	

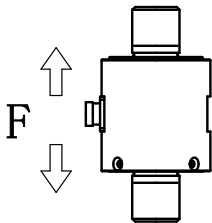
安装尺寸 Dimensions



FA233

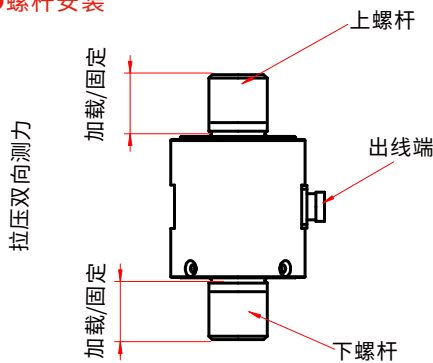
拉压力传感器

受力方向 Load Direction

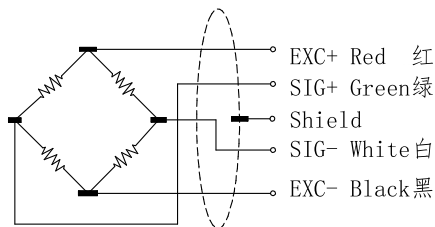


安装方式 Installation

● 螺杆安装



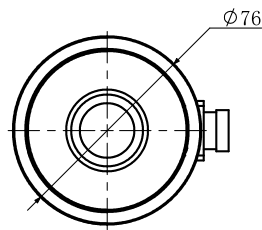
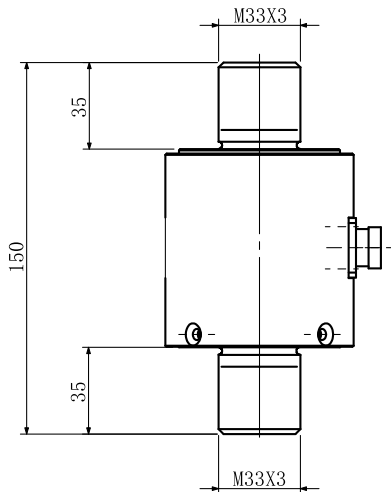
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	t	±20t
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	25m
弹性体材料 Spring Element Material		17-4PH
测量方向 Loading Direction		拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.5
线性误差 Non-linearity	%	≤0.5
相对滞后 Hysteresis	%	≤0.5
重复误差 Repeatability	%	≤0.5
负载蠕变 Creep (30 min)	%	≤0.1
温度漂移 Temperature Effect on Output	%	0.1%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	1.5±10%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

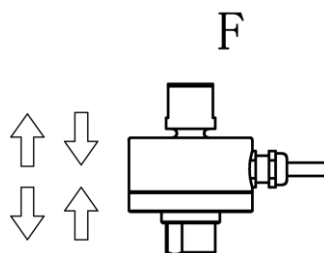
安装尺寸 Dimensions



FA244

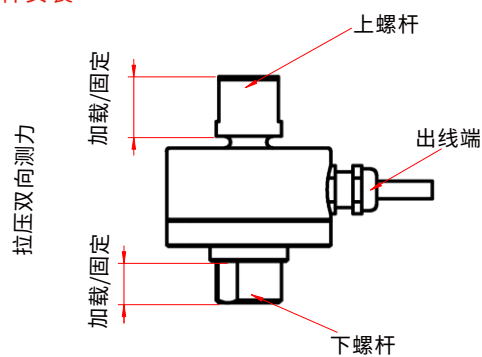


受力方向 Load Direction

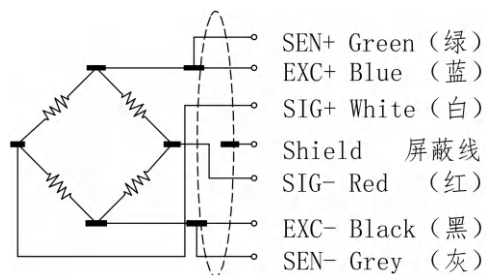


安装方式 Installation

● 螺杆安装



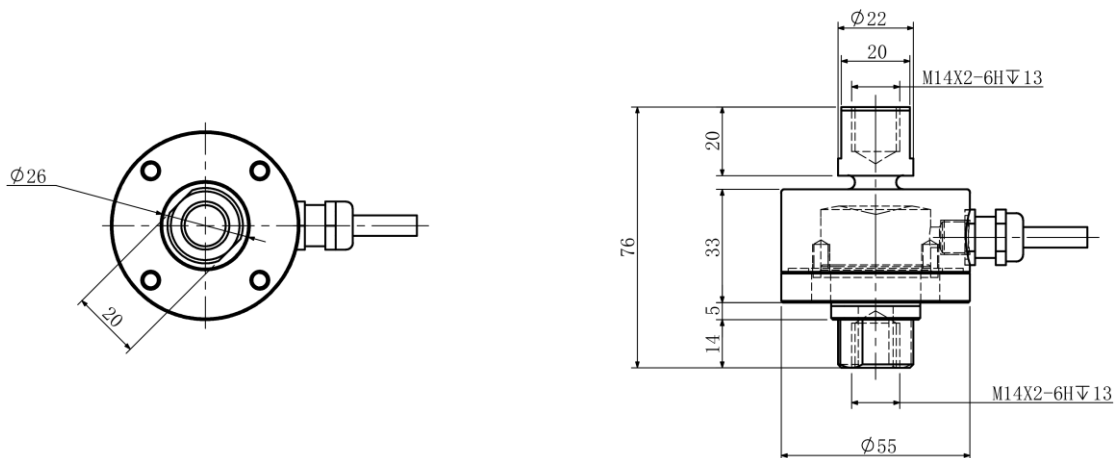
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程	Nominal Capacity	kN	20kN
满量程位移量	Deflection at Full Scale	mm	0.05
过载能力	Safe Overload	%	120
工作温度	Operating Temperature	°C	-20~60
防护等级	Ingress Protection (IP)	IP	68
电缆长度	Cable	M	10m
弹性体材料	Spring Element Material		17-4PH
测量方向	Loading Direction		拉压
传感器精度参数 Sensor Accuracy Parameters			
综合精度	Combined Error	%	≤0.2
线性误差	Non-linearity	%	≤0.2
相对滞后	Hysteresis	%	≤0.2
重复误差	Repeatability	%	≤0.2
负载蠕变	Creep (30 min)	%	≤0.1
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

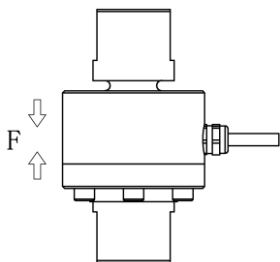
安装尺寸 Dimensions



FA280

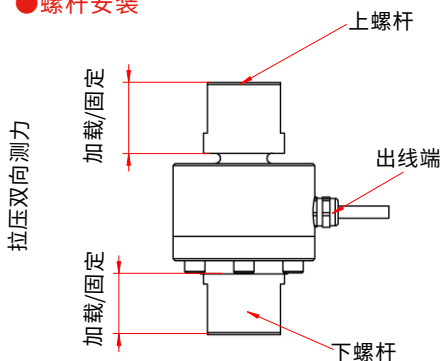
拉压力传感器

受力方向 Load Direction

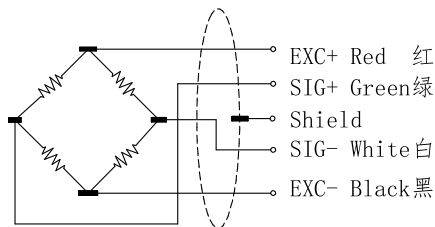


安装方式 Installation

● 螺杆安装



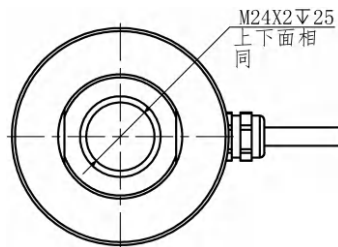
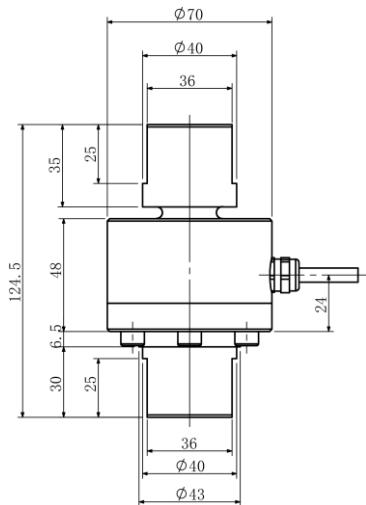
接线图 Wiring



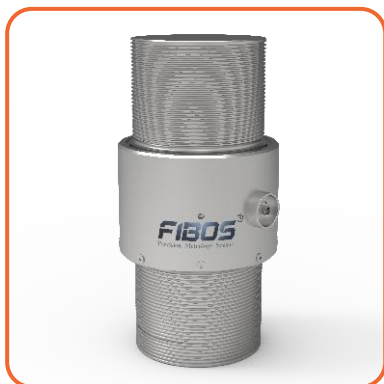
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	t	压力10t；拉力可承受：2t
过载能力 Safe Overload	%	120
工作温度 Operating Temperature	°C	-20~60
防护等级 Ingress Protection (IP)	IP	65/68 (可选)
电缆长度 Cable	M	φ6x5m
弹性体材料 Spring Element Material		17-4PH
测量方向 Loading Direction		拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.3
线性误差 Non-linearity	%	≤0.3
相对滞后 Hysteresis	%	≤0.3
重复误差 Repeatability	%	≤0.2
负载蠕变 Creep (30 min)	%	≤0.1
温度漂移 Temperature Effect on Output	%	0.1%/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)	24
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

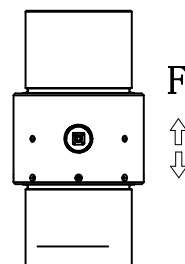
安装尺寸 Dimensions



FA283

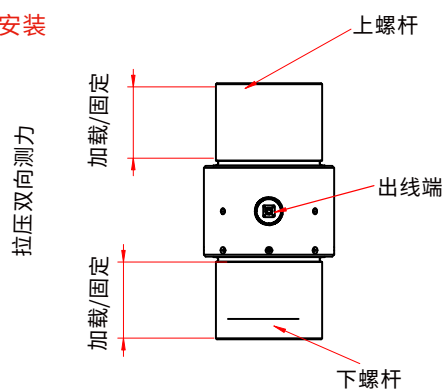


受力方向 Load Direction

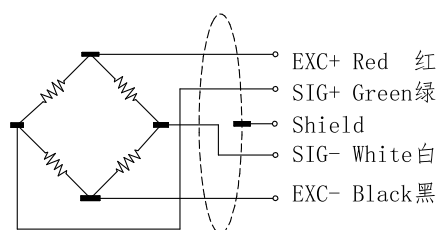


安装方式 Installation

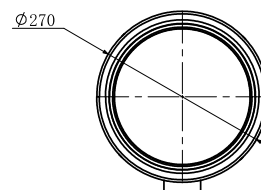
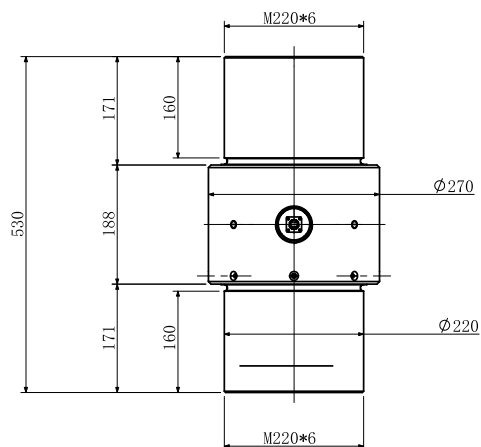
● 螺杆安装



接线图 Wiring



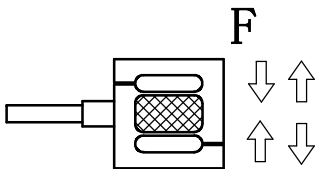
安装尺寸 Dimensions



FA301

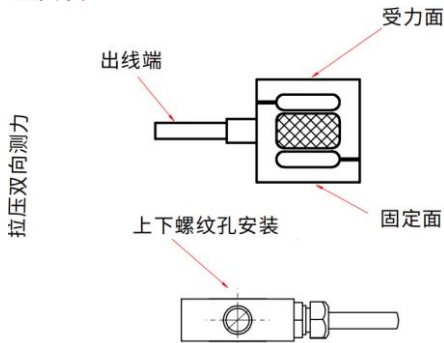
拉压力传感器

受力方向 Load Direction

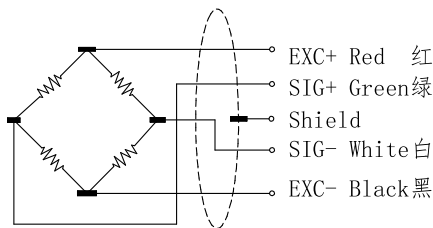


安装方式 Installation

●S型安装



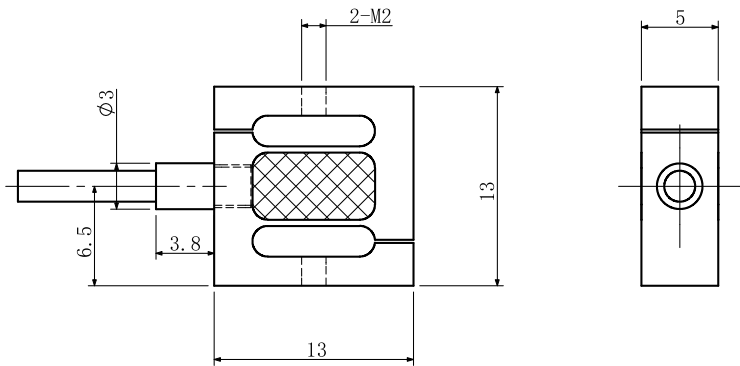
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	N	5,10,20,50,100,200N	
满量程位移量 Deflection at Full Scale	mm	0.094	
固有频率 Natural Frequency	Hz	>1K	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ2x3m	
弹性体材料 Spring Element Material	-	17-4PH	
测量方向 Loading Direction	-	拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.1	
线性误差 Non-linearity	%	≤0.1	
相对滞后 Hysteresis	%	≤0.1	
重复误差 Repeatability	%	≤0.1	
负载蠕变 Creep (30 min)	%	≤0.1	
温度漂移 Temperature Effect on Output	%	0.1%/10°C	
传感器电气参数 Electrical Parameters			
满量程输出 Rated Output	mV/V	2.0±20%	
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

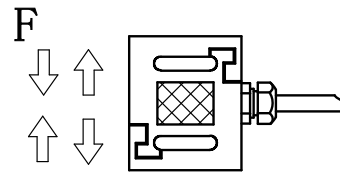


FA302

拉压力传感器

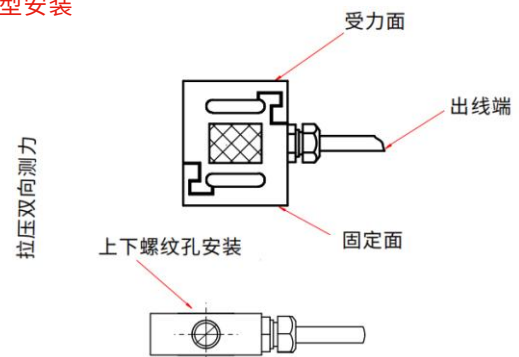


受力方向 Load Direction

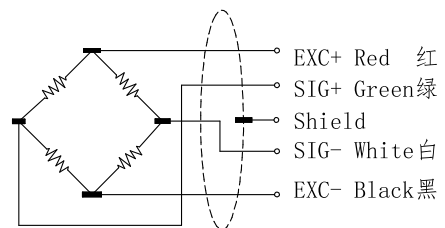


安装方式 Installation

●S型安装



接线图 Wiring



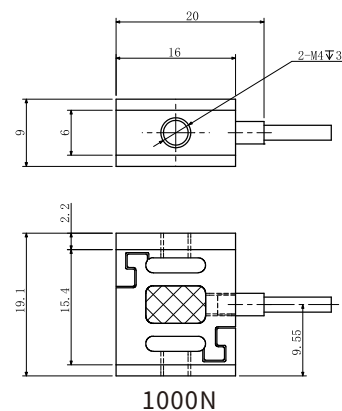
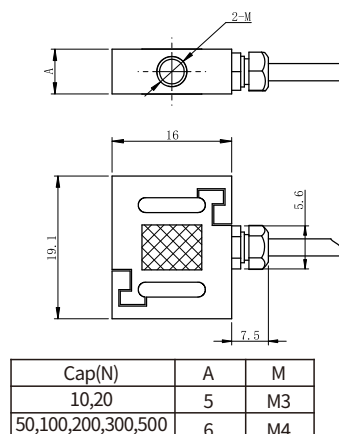
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	N	10,20,50,100,200,500,1000N
满量程位移量 Deflection at Full Scale	mm	0.099
固有频率 Natural Frequency	Hz	> 1k
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~70
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ2x3m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	拉压

传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.1
线性误差 Non-linearity	%	≤0.1
相对滞后 Hysteresis	%	≤0.1
重复误差 Repeatability	%	≤0.1
负载蠕变 Creep (30 min)	%	≤0.1
温度漂移 Temperature Effect on Output	%	0.1%/10°C

传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0±20%
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

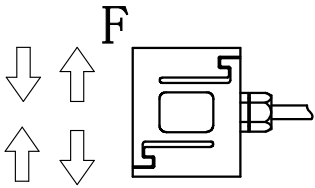


FA302B

拉压力传感器

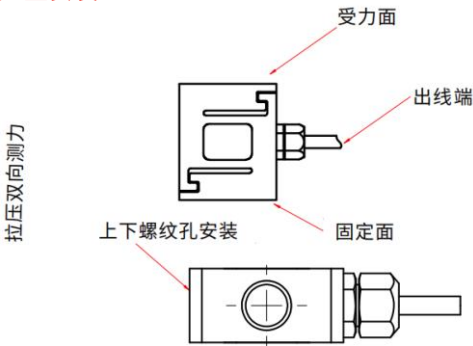


受力方向 Load Direction

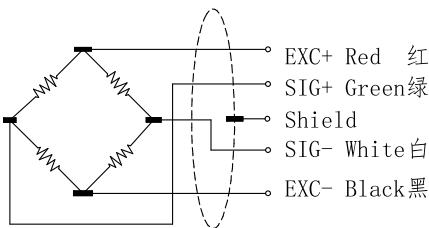


安装方式 Installation

●S型安装



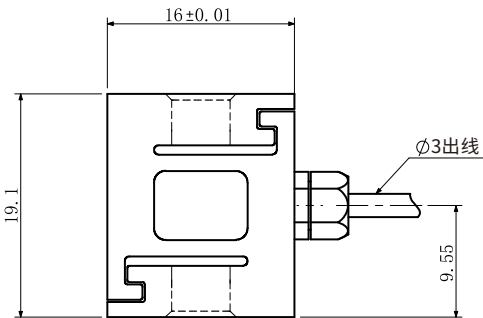
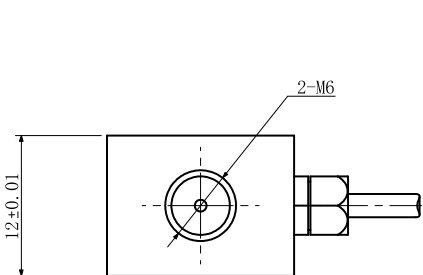
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	10,20,50,100,200kg	
满量程位移量 Deflection at Full Scale	mm	0.09	
固有频率 Natural Frequency	Hz	>1K	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ3x3m	
弹性体材料 Spring Element Material	-	17-4PH	
测量方向 Loading Direction	-	拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.1	
线性误差 Non-linearity	%	≤0.1	
相对滞后 Hysteresis	%	≤0.1	
重复误差 Repeatability	%	≤0.1	
负载蠕变 Creep (30 min)	%	≤0.1	
温度漂移 Temperature Effect on Output	%	0.1%/10°C	
传感器电气参数 Electrical Parameters			
满量程输出 Rated Output	mV/V	2.0±20%	
激励电压 Excitation Voltage	V(DC)	5~12	
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100	

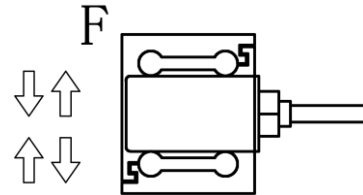
安装尺寸 Dimensions



FA302L



受力方向 Load Direction

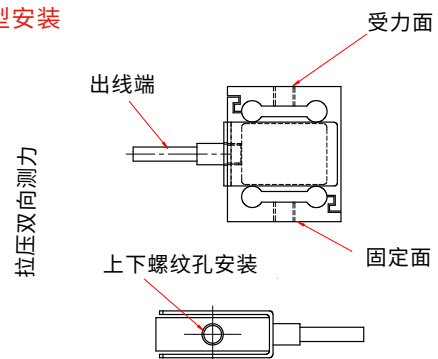


技术参数 Specifications

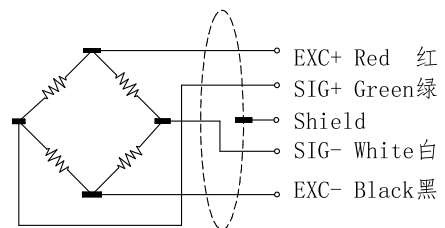
传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	g/kg	200,500g; 1kg
满量程位移量 Deflection at Full Scale	mm	0.089
固有频率 Natural Frequency	Hz	> 1k
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~70
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ2x3m
弹性体材料 Spring Element Material	-	17-4PH/铝合金
测量方向 Loading Direction	-	拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.1
线性误差 Non-linearity	%	≤0.1
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	%	0.1%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	2.0 ± 20%
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

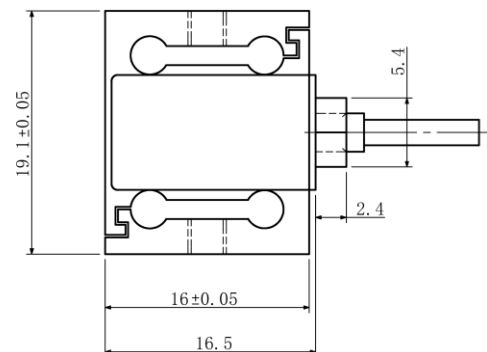
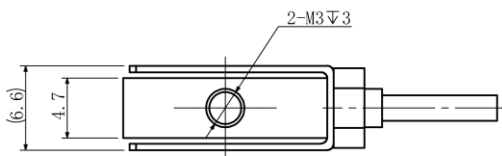
●S型安装



接线图 Wiring



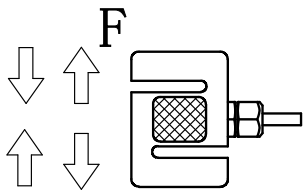
安装尺寸 Dimensions



FA303

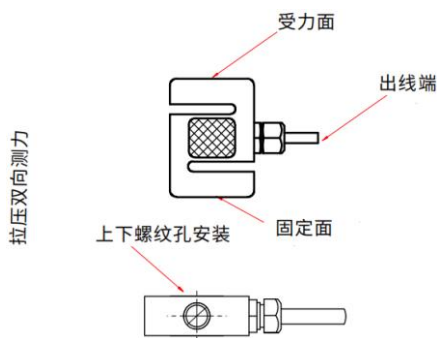
拉压力传感器

受力方向 Load Direction

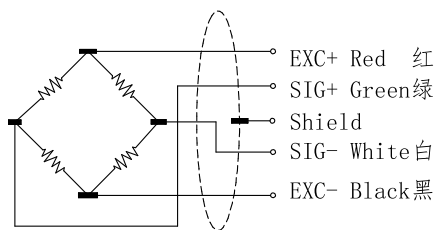


安装方式 Installation

●S型安装



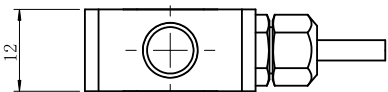
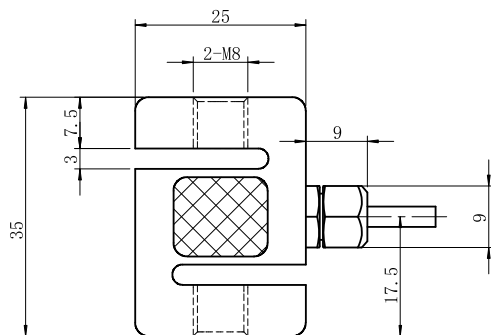
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	N	50,100,200,500,1000,2000N	
满量程位移量 Deflection at Full Scale	mm	0.14	
固有频率 Natural Frequency	Hz	>1K	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ3x3m	
弹性体材料 Spring Element Material	-	17-4PH	
测量方向 Loading Direction	-	拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.1	
线性误差 Non-linearity	%	≤0.1	
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	%	0.1%/10°C	
传感器电气参数 Electrical Parameters			
满量程输出 Rated Output	mV/V	2.0±20%	
激励电压 Excitation Voltage	V(DC)	5~12	
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100	

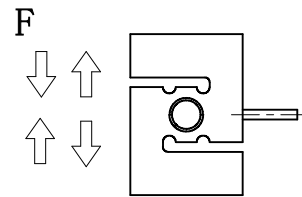
安装尺寸 Dimensions



FA305

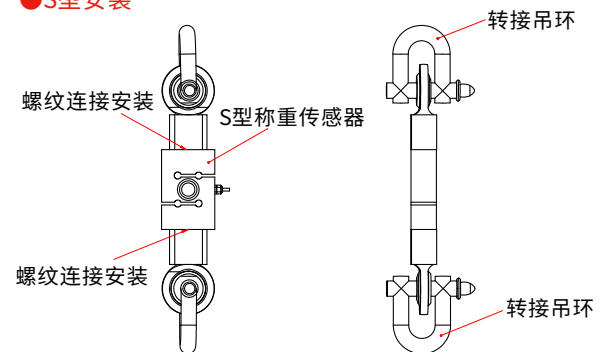


受力方向 Load Direction

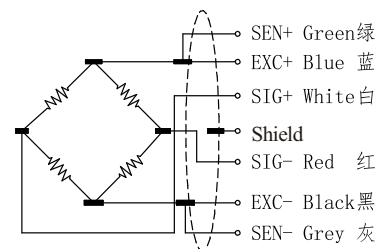


安装方式 Installation

●S型安装



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	50,100,200,500,1000,2000,3000,5000kg
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-30~70
防护等级 Ingress Protection (IP)	IP	65/68(可选)
电缆长度 Cable	M	φ5.4x3m
弹性体材料 Spring Element Material		17-4PH/合金钢
测量方向 Loading Direction		拉压

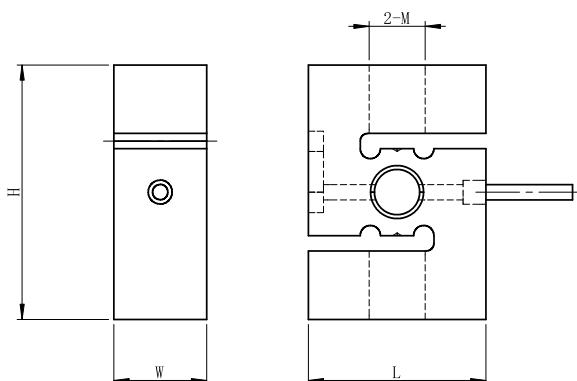
传感器精度参数 Sensor Accuracy Parameters

综合精度 Combined Error	%	≤0.018
线性误差 Non-linearity	%	≤0.018
相对滞后 Hysteresis	%	≤0.018
重复误差 Repeatability	%	≤0.024
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	2.0±0.25%
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



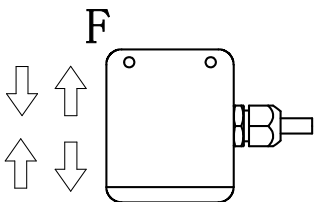
Cap (kg)	L	H	W	M
50	50.8	63.5	25.4	M8
100,200	50.8	76.2	25.4	M12
500	57.2	87.3	31	M12
1000	57.2	87.3	31	M12
2000	69.8	100	36.5	M24X2
3000	69.8	100	36.5	M24X2
5000	76.2	114.3	36.5	M24X2

FA306

拉压力传感器

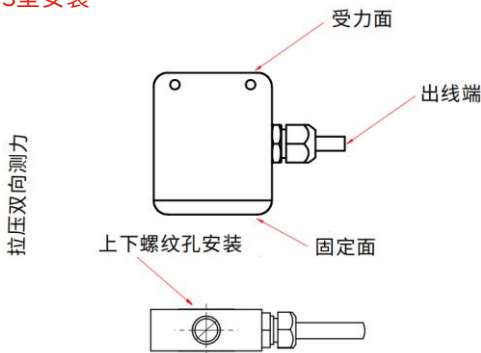


受力方向 Load Direction

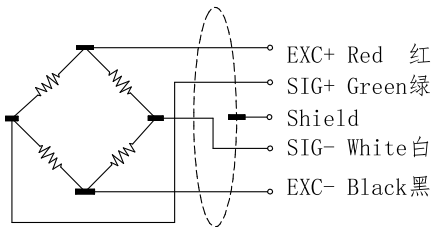


安装方式 Installation

●S型安装



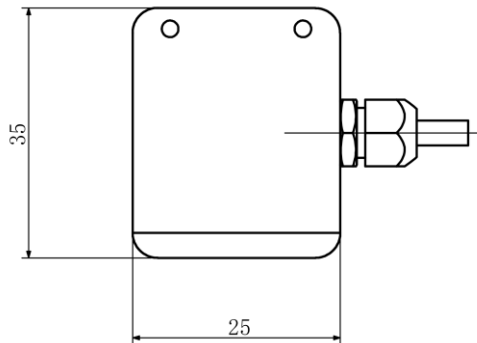
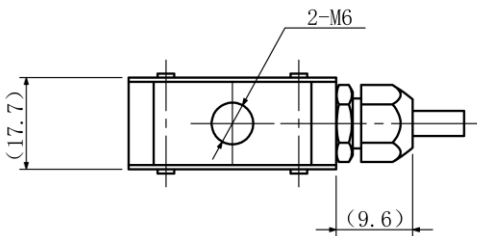
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	N	10,20,50,100,150,200,500N	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ3x3m	
弹性体材料 Spring Element Material		17-4PH	
测量方向 Loading Direction		拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.1	
线性误差 Non-linearity	%	≤0.1	
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	%	0.1%/10°C	
传感器电气参数 Electrical Parameters			
满量程输出 Rated Output	mV/V	2.0±20%	
激励电压 Excitation Voltage	V(DC)	5~12V	
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100	

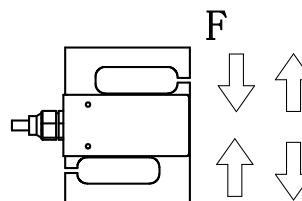
安装尺寸 Dimensions



FA307



受力方向 Load Direction

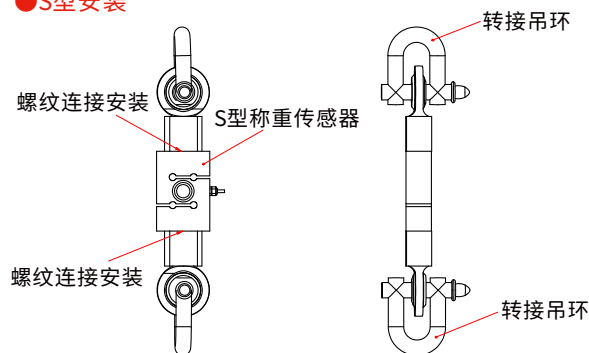


技术参数 Specifications

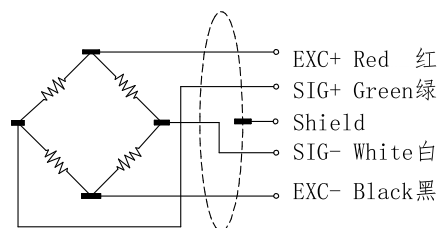
传感器物理参数 Sensor Physical Parameters			
额定量程	Nominal Capacity	kg/t	25,50,100,200,250,500kg 0.75,1,1.5,2,2.5,5,10t
过载能力	Safe Overload	%	150
工作温度	Operating Temperature	°C	-30~70
防护等级	Ingress Protection (IP)	IP	65
电缆长度	Cable	M	φ5x5m
弹性体材料	Spring Element Material		合金钢
测量方向	Loading Direction		拉压
传感器精度参数 Sensor Accuracy Parameters			
综合精度	Combined Error	%	≤0.03
线性误差	Non-linearity	%	≤0.03
相对滞后	Hysteresis	%	≤0.03
重复误差	Repeatability	%	≤0.03
负载蠕变	Creep (30 min)	%	≤0.024
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	2.0/3.0±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

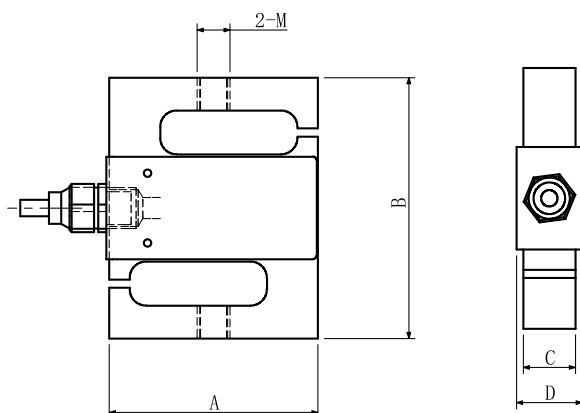
●S型安装



接线图 Wiring



安装尺寸 Dimensions

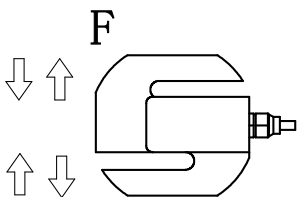


Cap (kg)	A	B	C	D	M
25,50	50.8	63.5	12.7	16.5	M8X1.25
100	50.8	76.2	19	23.8	M10X1.5
200,250,500,750	50.8	76.2	19	23.8	M12X1.75
1000,1500	50.8	76.2	25.4	35	M12X1.75
2000,2500,5000	76.2	108	25	31	M18X1.5
10000	127	177.8	50.4	57	M30X2

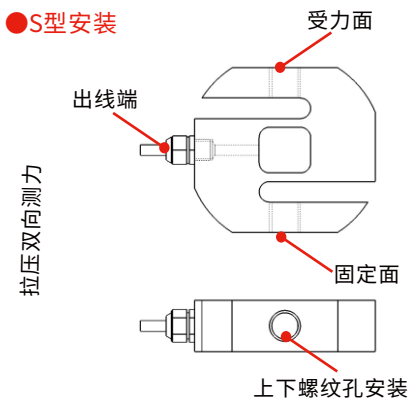
FA308

拉压力传感器

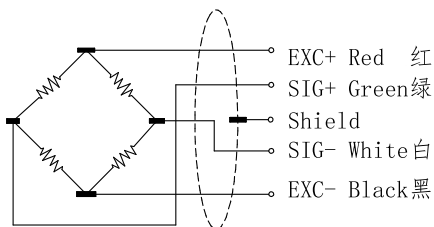
受力方向 Load Direction



安装方式 Installation



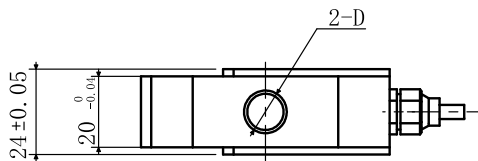
接线图 Wiring



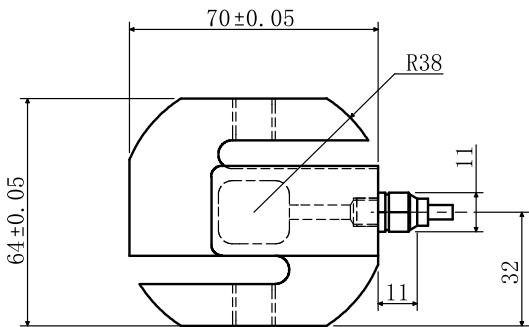
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	100,200,300,400,500kg	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-30~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ5x3m	
弹性体材料 Spring Element Material		合金钢	
测量方向 Loading Direction		拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.03	
线性误差 Non-linearity	%	≤0.03	
相对滞后 Hysteresis	%	≤0.03	
重复误差 Repeatability	%	≤0.02	
负载蠕变 Creep (30 min)	%	≤0.03	
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±1%	
激励电压 Excitation Voltage	V(DC)	5~15	
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100	

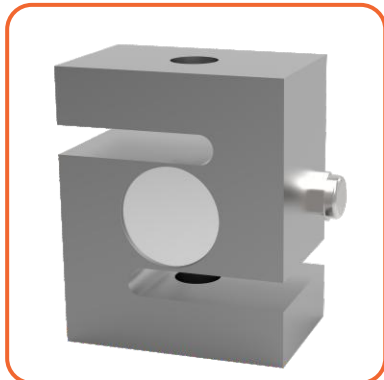
安装尺寸 Dimensions



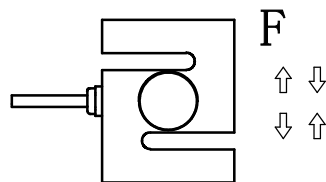
Cap (kg)	D
100	M12X1.75
200	M12X1.75
300	M12X1.75
400	M12X1.75
500	M12X1.75



FA329



受力方向 Load Direction

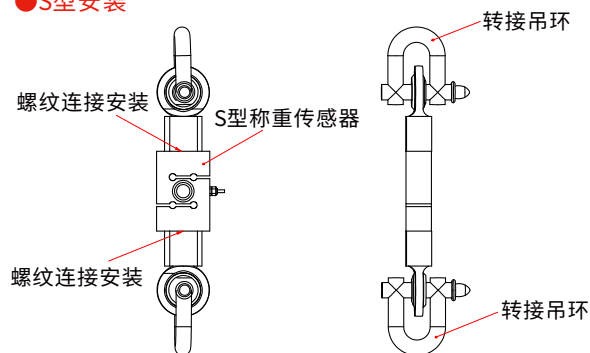


技术参数 Specifications

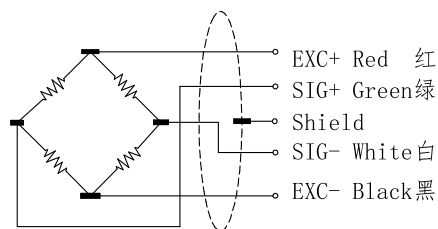
传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg/t	50,100,200,300,500kg	
满量程位移量 Deflection at Full Scale	mm	1, 2, 3, 5t	
固有频率 Natural Frequency	Hz	> 600	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	6m	
弹性体材料 Spring Element Material	-	合金钢	
测量方向 Loading Direction	-	拉压	
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)	%	≤0.01	
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 ± 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

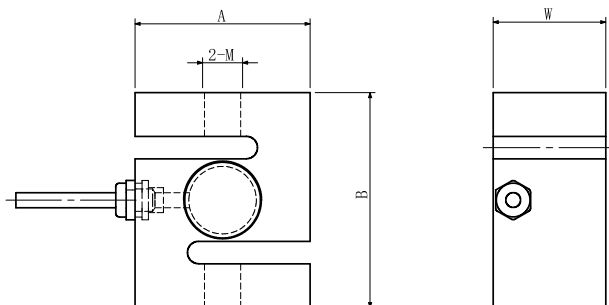
●S型安装



接线图 Wiring



安装尺寸 Dimensions



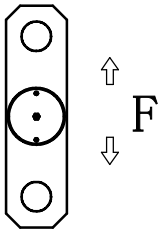
Cap (kg)	A	B	W	M
50~200	50.8	77	18.5	M10X1
300	50.8	77	24.4	M10X1
500	50.8	77	24.4	M12X1
1000	50.8	77	36	M12X1
2000	70	86	45	M16X1.5
3000	80	100	50	M18X1.5
5000	92	130	58	M20X1.5

FA340

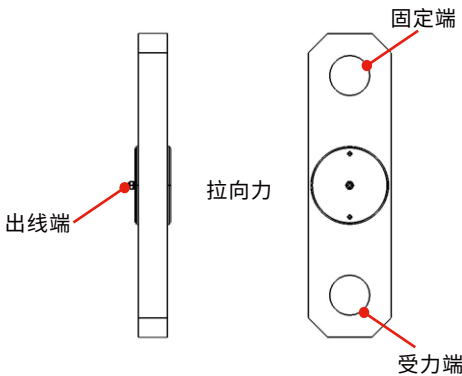
拉压力传感器



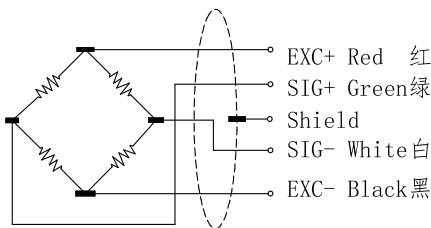
受力方向 Load Direction



安装方式 Installation



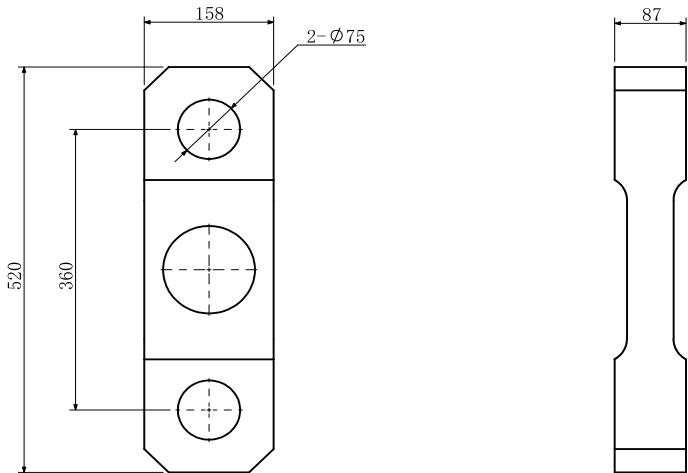
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	t	60t	
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	φ4x3m	
弹性体材料 Spring Element Material		合金钢	
测量方向 Loading Direction		拉压	
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	%	≤0.1	
重复误差 Repeatability	%	≤0.05	
负载蠕变 Creep (30 min)	%	≤0.1	
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	1.5±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

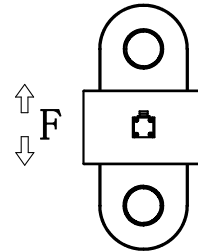


FA384

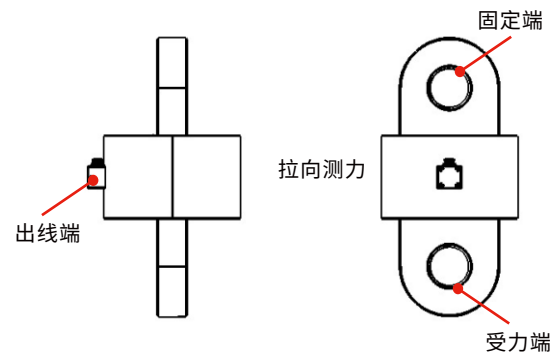
拉压力传感器



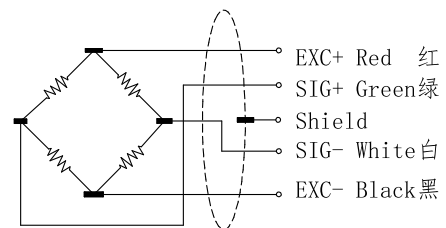
受力方向 Load Direction



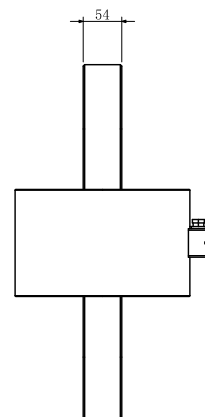
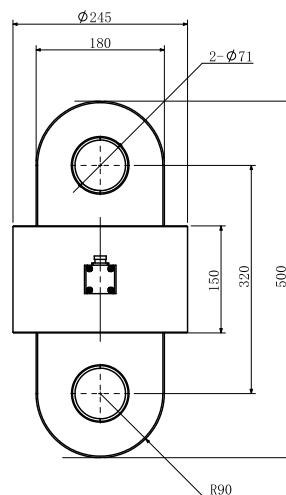
安装方式 Installation



接线图 Wiring



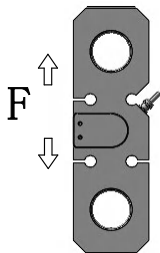
安装尺寸 Dimensions



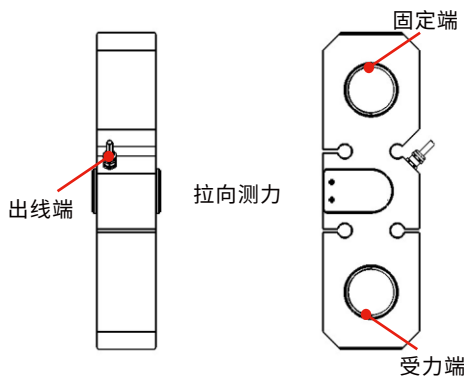
FA386

拉压力传感器

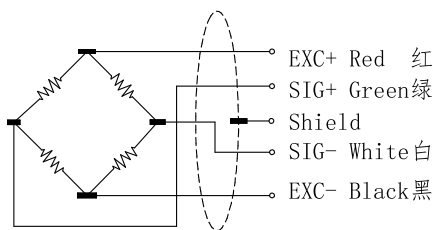
受力方向 Load Direction



安装方式 Installation



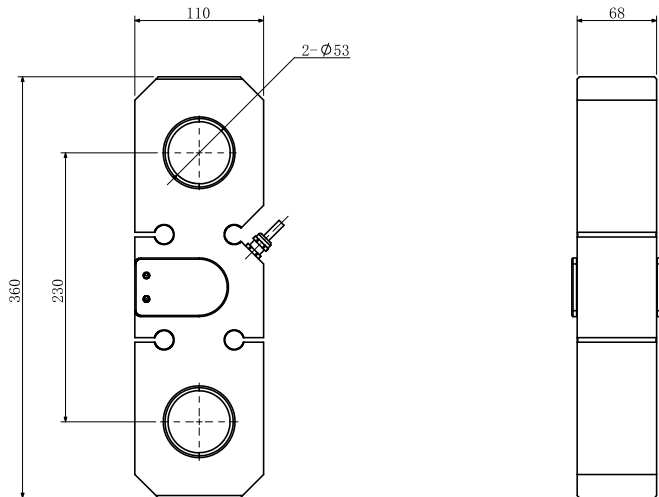
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	t	40t
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	30/120m
弹性体材料 Spring Element Material		不锈钢
测量方向 Loading Direction		拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.2
线性误差 Non-linearity	%	≤0.2
相对滞后 Hysteresis	%	≤0.2
重复误差 Repeatability	%	≤0.1
负载蠕变 Creep (30 min)	%	≤0.1
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	1.6±10%
激励电压 Excitation Voltage	V(DC)	5~10
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

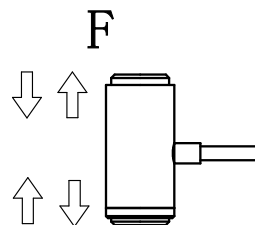
安装尺寸 Dimensions



FA401



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	N	10,20,50,100, 200N
满量程位移量 Deflection at Full Scale	mm	0.11
固有频率 Natural Frequency	Hz	>1K
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~70
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ2x3m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	拉压

传感器精度参数 Sensor Accuracy Parameters

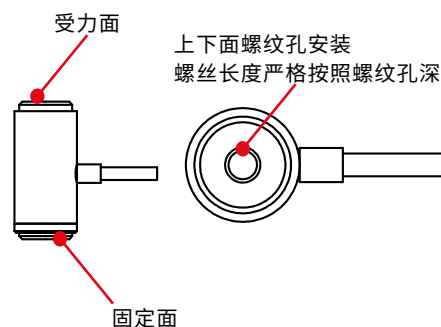
综合精度 Combined Error	%	≤0.1
线性误差 Non-linearity	%	≤0.1
相对滞后 Hysteresis	%	≤0.1
重复误差 Repeatability	%	≤0.1
负载蠕变 Creep (30 min)	%	≤0.1
温度漂移 Temperature Effect on Output	%	0.1%/10°C

传感器电气参数 Electrical Parameters

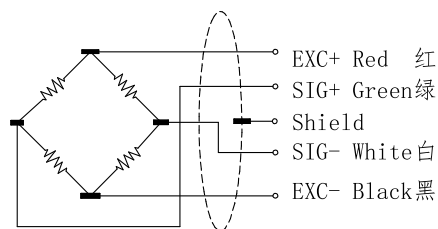
满量程输出 Rated Output	mV/V	2.0 ± 10%
激励电压 Excitation Voltage	V(DC)	5~12
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装方式 Installation

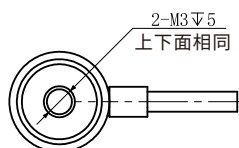
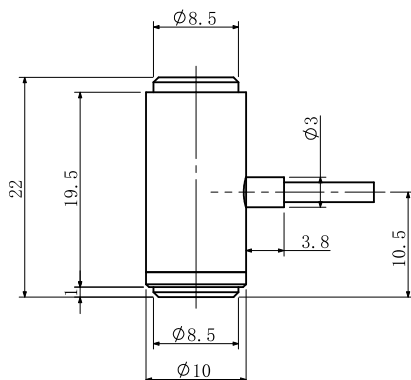
● 拉压双向安装



接线图 Wiring



安装尺寸 Dimensions

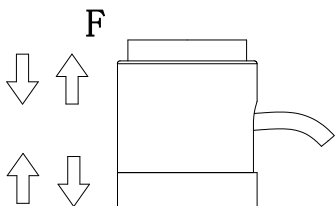


FA401A

拉压力传感器

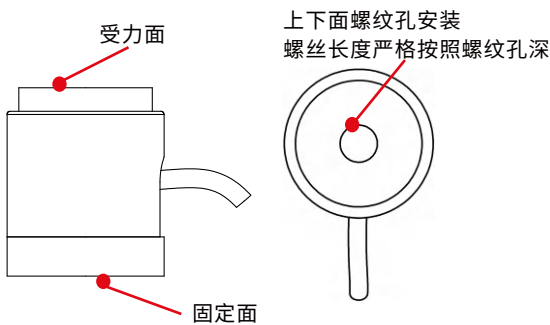


受力方向 Load Direction

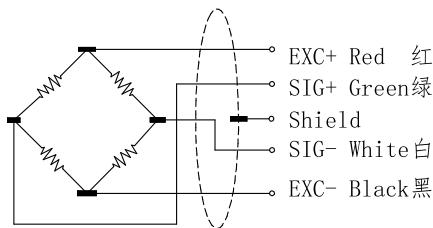


安装方式 Installation

●S型安装



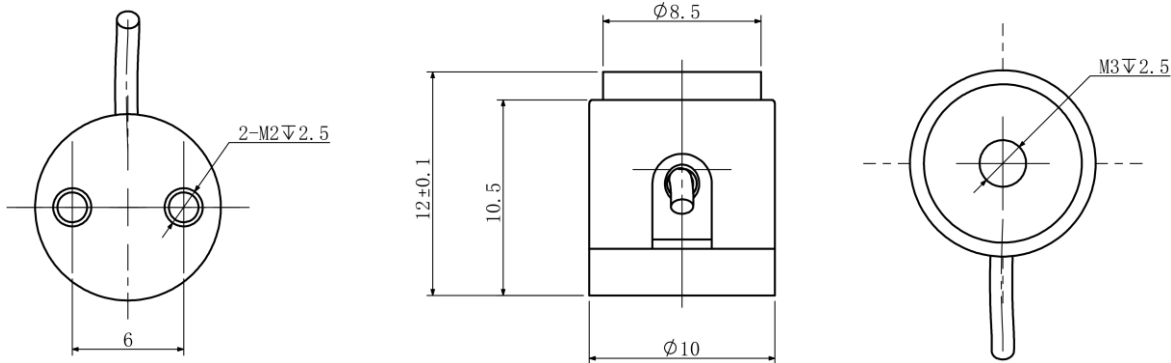
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	kg	1,2,5,10,20kg	
满量程位移量 Deflection at Full Scale	mm	0.04	
固有频率 Natural Frequency	Hz	4868	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ2x3m	
弹性体材料 Spring Element Material	-	17-4PH	
测量方向 Loading Direction	-	拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.2	
线性误差 Non-linearity	%	≤0.2	
相对滞后 Hysteresis	%	≤0.3	
重复误差 Repeatability	%	≤0.05	
负载蠕变 Creep (30 min)	%	≤0.1	
温度漂移 Temperature Effect on Output	%	0.1%/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	

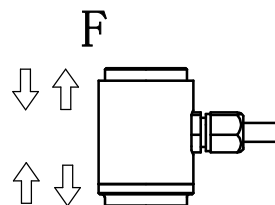
安装尺寸 Dimensions



FA402

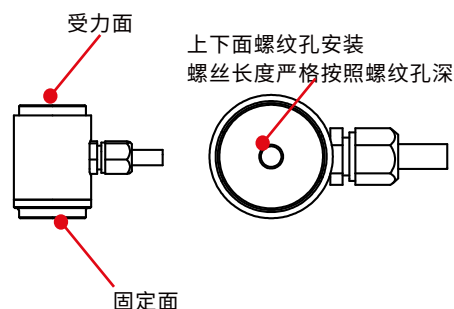


受力方向 Load Direction

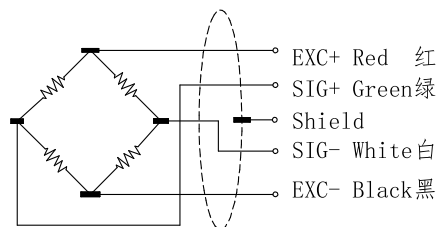


安装方式 Installation

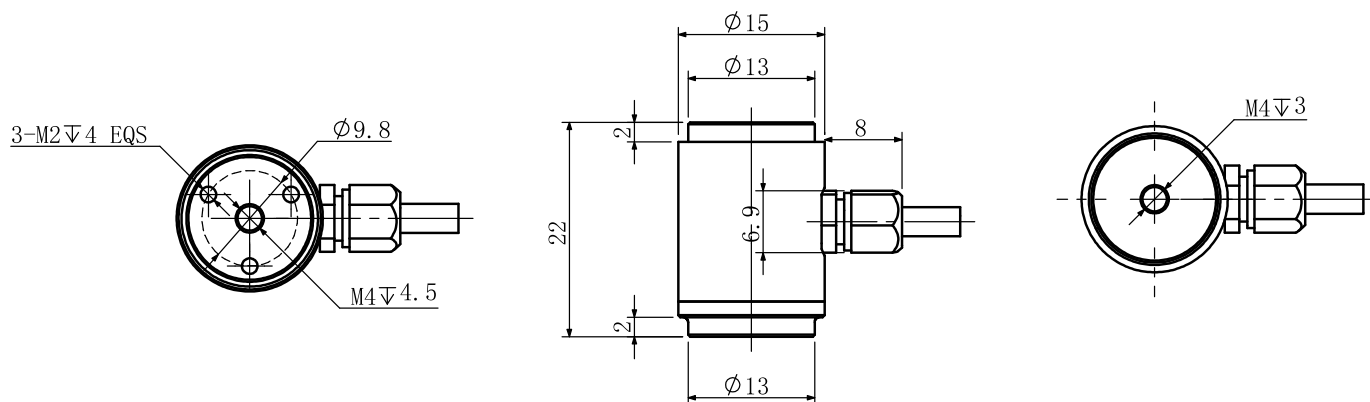
●拉压双向安装



接线图 Wiring



安装尺寸 Dimensions

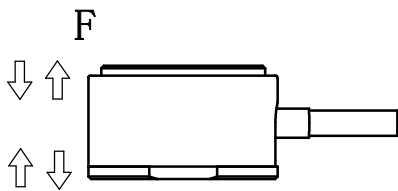


FA402B

拉压力传感器

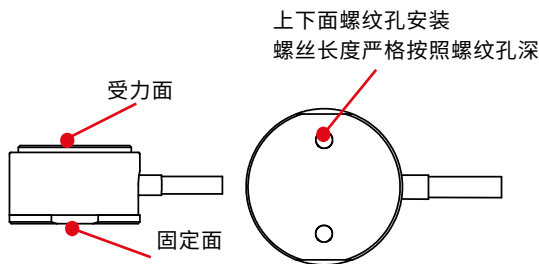


受力方向 Load Direction

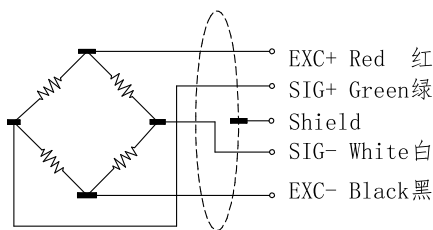


安装方式 Installation

●S型安装



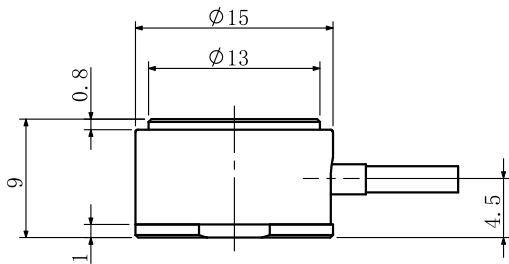
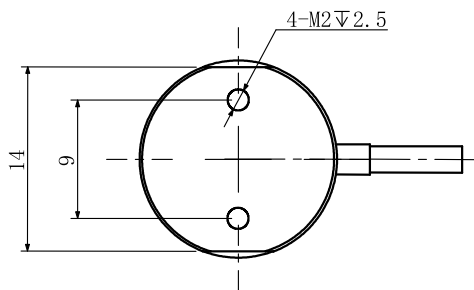
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	N	10,20,50,100,200N	
满量程位移量 Deflection at Full Scale	mm	0.08	
固有频率 Natural Frequency	Hz	>1K	
过载能力 Safe Overload	%	150	
工作温度 Operating Temperature	°C	-20~70	
防护等级 Ingress Protection (IP)	IP	65	
电缆长度 Cable	M	φ2x3m	
弹性体材料 Spring Element Material	-	17-4PH	
测量方向 Loading Direction	-	拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.1	
线性误差 Non-linearity	%	≤0.1	
相对滞后 Hysteresis	%	≤0.1	
重复误差 Repeatability	%	≤0.1	
负载蠕变 Creep (30 min)	%	≤0.1	
温度漂移 Temperature Effect on Output	%	0.1%/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	

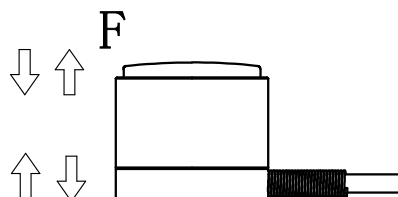
安装尺寸 Dimensions



FA403

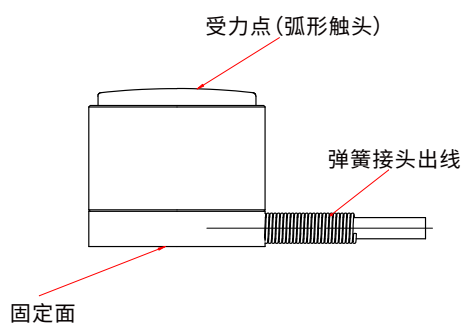


受力方向 Load Direction

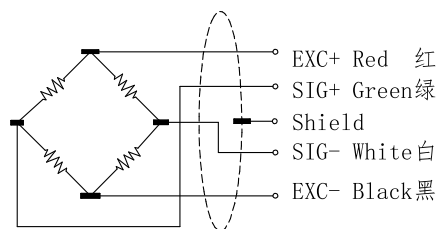


安装方式 Installation

●拉压双向安装



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	kN	10,20,50,75,100,150kN
满量程位移量 Deflection at Full Scale	mm	0.06
固有频率 Natural Frequency	Hz	>5K
过载能力 Safe Overload	%	150
工作温度 Operating Temperature	°C	-20~70
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ2x3m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	拉压

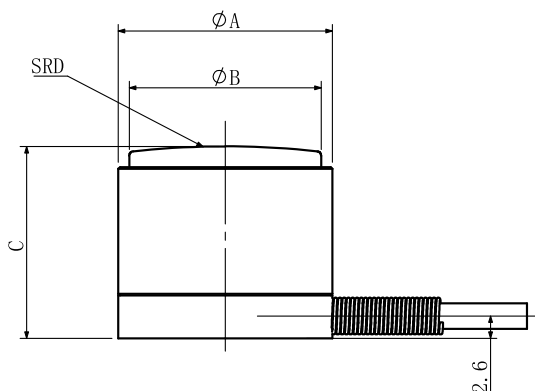
传感器精度参数 Sensor Accuracy Parameters

综合精度 Combined Error	%	≤0.2
线性误差 Non-linearity	%	≤0.2
相对滞后 Hysteresis	%	≤0.5
重复误差 Repeatability	%	≤0.1
负载蠕变 Creep (30 min)	%	≤0.5
温度漂移 Temperature Effect on Output	%	0.1%/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



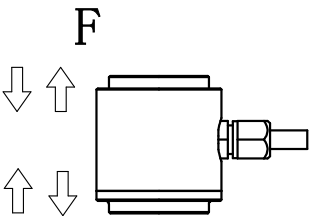
Cap (kN)	A	B	C	D
10,20	15.9	13.4	16.5	100
50,75	22.4	20.4	22.4	100
100,150	31.8	28.9	28.7	125

FA404

拉压力传感器

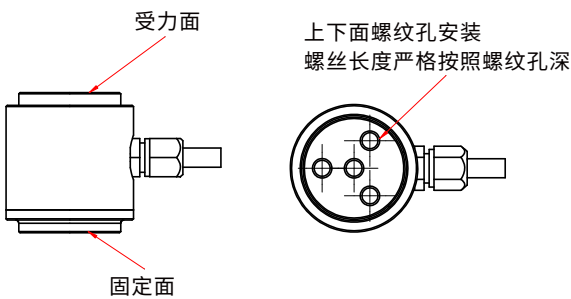


受力方向 Load Direction

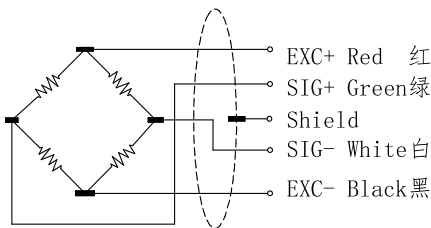


安装方式 Installation

●S型安装



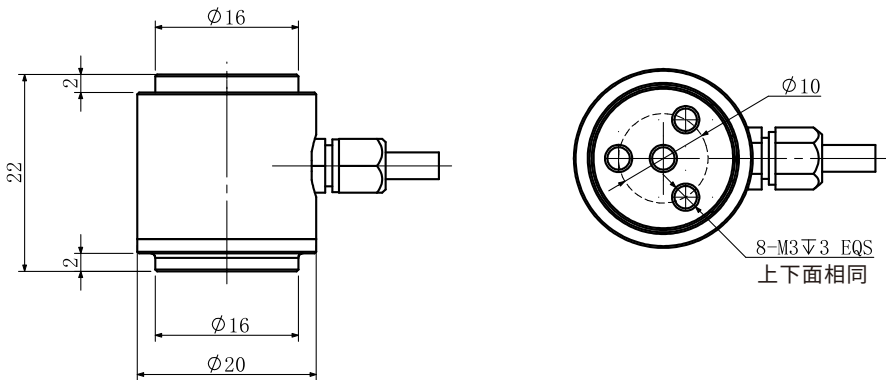
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters			
额定量程 Nominal Capacity	N	10,20,50,100,200,500,1000,2000N	
满量程位移量 Deflection at Full Scale	mm	0.11	
固有频率 Natural Frequency	Hz	3678	
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	φ3x3m	
弹性体材料 Spring Element Material	-	17-4PH	
测量方向 Loading Direction	-	拉压	
传感器精度参数 Sensor Accuracy Parameters			
综合精度 Combined Error	%	≤0.1	
线性误差 Non-linearity	%	≤0.1	
相对滞后 Hysteresis	%	≤0.05	
重复误差 Repeatability	%	≤0.5	
负载蠕变 Creep (30 min)	%	≤0.1	
温度漂移 Temperature Effect on Output	%	0.1%/10°C	
传感器电气参数 Electrical Parameters			
满量程输出 Rated Output	mV/V	2.0±20%	
激励电压 Excitation Voltage	V(DC)	5~12	
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100	

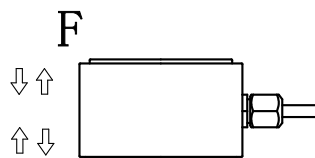
安装尺寸 Dimensions



FA406

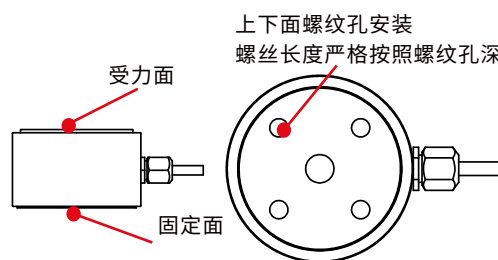


受力方向 Load Direction

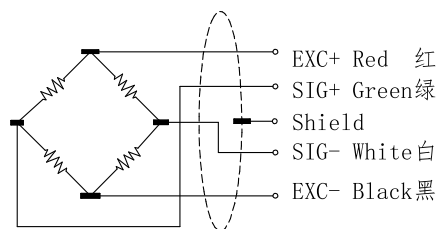


安装方式 Installation

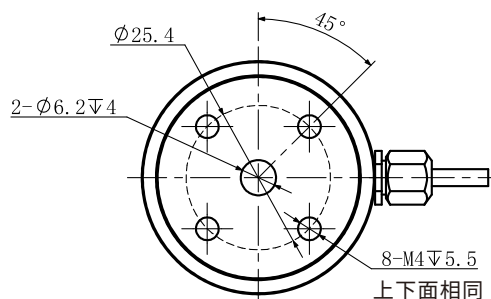
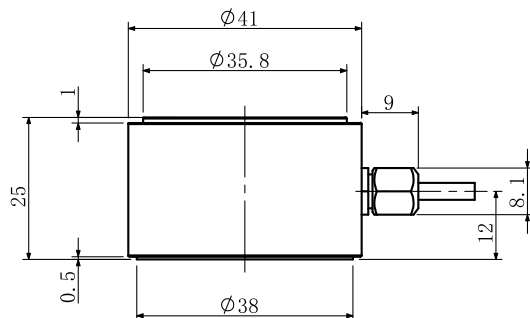
●拉压双向安装



接线图 Wiring



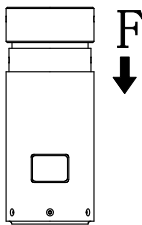
安装尺寸 Dimensions



FA410

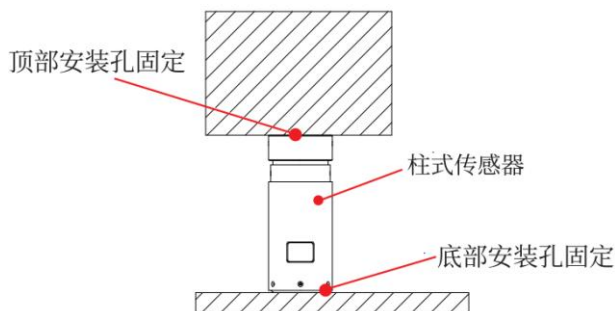
拉压力传感器

受力方向 Load Direction

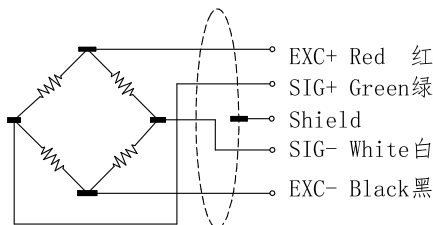


安装方式 Installation

●S型安装



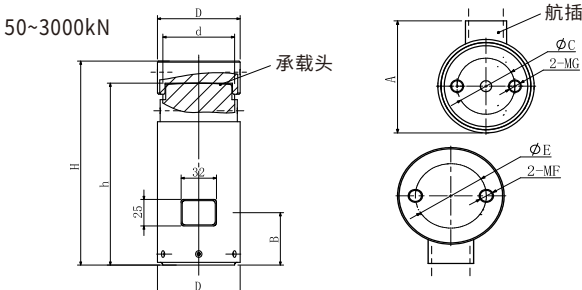
接线图 Wiring



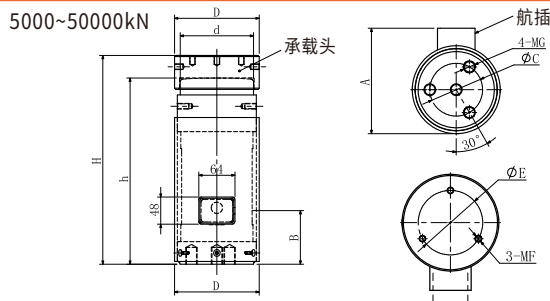
技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	kN	50, 100, 200, 500, 1000, 2000, 3000, 5000, 10000, 20000, 50000kN
满量程位移量 Deflection at Full Scale	mm	0.16
固有频率 Natural Frequency	Hz	1406
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	φ2x3m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	≤0.1
线性误差 Non-linearity	%	≤0.1
相对滞后 Hysteresis	%	≤0.1
重复误差 Repeatability	%	≤0.1
负载蠕变 Creep (30 min)	%	≤0.1
温度漂移 Temperature Effect on Output	%	0.1%/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
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装尺寸 Dimensions



Cap (kN)	A	B	C	D	d	E	H	h	F	G
50,100,200,500	69	40	30	54	39	40	135	115	M6深10	M8深12
1000	96	60	40	78	60	50	175	150	M6深10	M12深20
2000	121	60	60	103	85	75	240	210	M10深16	M16深25
3000	145	70	75	125	105	90	290	250	M10深16	M16深25

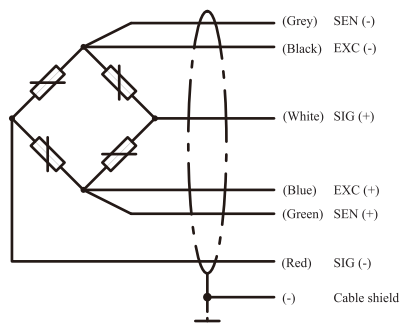


Cap (kN)	A	B	C	D	d	E	H	h	F	G
5000	180	95	90	150	130	100	370	330	M10深16	M20深30
10000	245	125	120	215	190	120	450	400	M10深16	M20深30
20000	318	150	200	295	260	200	650	570	M12深20	M24深40
50000	487	185	300	455	420	300	800	600	M12深20	M24深40

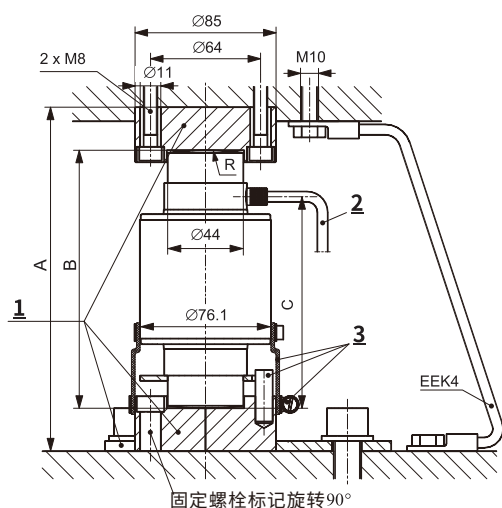
FA409



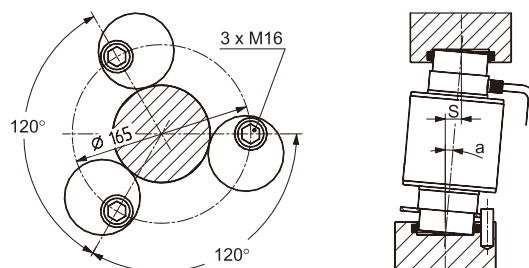
接线图 Wiring



尺寸与安装件 Dimensions and Fittings



俯视图



- 1 FA409/ZOU44A 2 电缆线长度(标准):30t=12m;40t=20m 3 紧固螺栓 $\phi 10 \times 30$ (扭转止动器),密封袖环和软管夹包含在供货范围。

安装选项	E_{max} FA409	压力件 上下 (1套=2件)	A	B	C	R滚珠	$a_{max}^{2)}$	$S_{max}^{3)}$	$F_R^{4)}$ (所施加负载的百分比)	
									为 S_{max} 时	S=1mm时
30t	FA409/ZOU44A ¹⁾		200	150	123	160	5°	13	9.9	0.76
40t			200	150	123	180	5°	13	12.2	0.94

1) 最大负载:40t

3) 负载导入件的最大许可侧向位移

2) 允许的最大倾斜位置

4) 复位力

允许的最大倾斜位置	a_{max}	S_{max} 负载导入件的最大许可侧向位移	F_R (复位力,所施加负载的百分比)	
			为 S_{max} 时	S=1mm时
4°		18	8.6	0.48

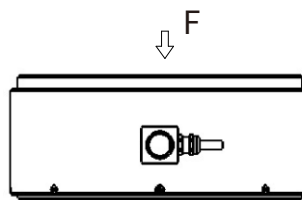
技术参数 Specifications

型号	FA409			
精度等级	C3			
分度值数量	n_{LC}	3000		
额度负载	E_{max}	30	40	t
传感器的最小分度值	V_{min}	0.0100		%V.Emax
最高分度因数	γ	1000		
额定特征值	C_n	2		mV/V
特征值公差		± 0.5		%
特征值的温度系数	TK_c	± 0.0080		%V.Cn/10K
零信号的温度系数	TK_0	± 0.0140		
相对滞后	d_{hy}	± 0.0170		%V.Cn
线性误差	d_{lin}	± 0.0180		
负载蠕变(超过30分钟)	d_{cr}	± 0.0167		
最小初始荷载信号返回30分钟	D_R	± 0.0167		
重复误差		± 0.005		
输入电阻(黑-蓝)	R_{LC}	700±20		Ω
输出电阻(红-白)	R_0	706±3.5		Ω
电源电压	U_{ref}	5		V
电源电压额定范围	B_U	0.5~12		
绝缘电阻	R_s	>5		GΩ
环境温度额定范围	B_T	-10~40		℃
工作温度范围	B_{tu}	-50~70		
仓储温度范围	B_{tl}	-50~85		
临界负载	E_L	150		%v.Emax
断裂负载	E_d	>350		
相对允许振动负荷	F_{srel}	70		
负载为 E_{max} 时的额定测量路径,约	S_{nom}	0.75	0.85	mm
带电缆的重量,大约	G	2.3	2.9	kg
保护等级		IP68		
测量体		不锈钢		
外壳		30t~40t:1.4404		
电缆套管		不锈钢		
电缆外层		热塑性弹性体		

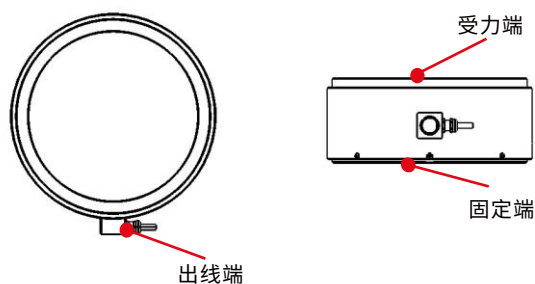
FA4189



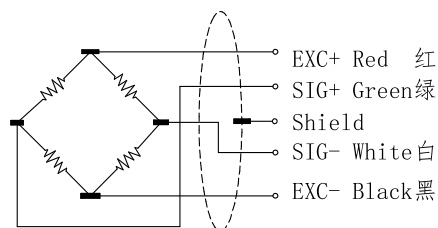
受力方向 Load Direction



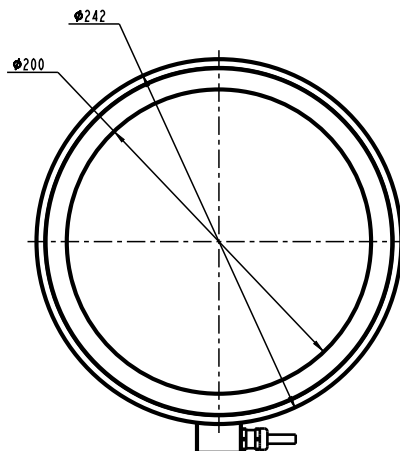
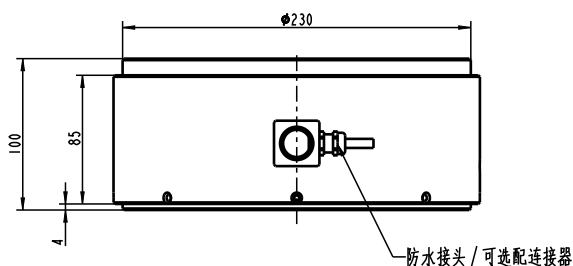
安装方式 Installation



接线图 Wiring



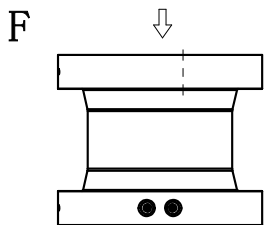
安装尺寸 Dimensions



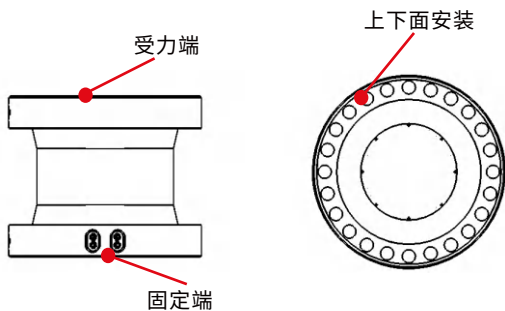
FA4193

拉压力传感器

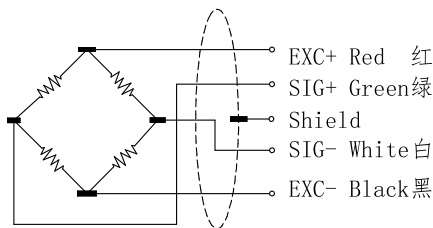
受力方向 Load Direction



安装方式 Installation



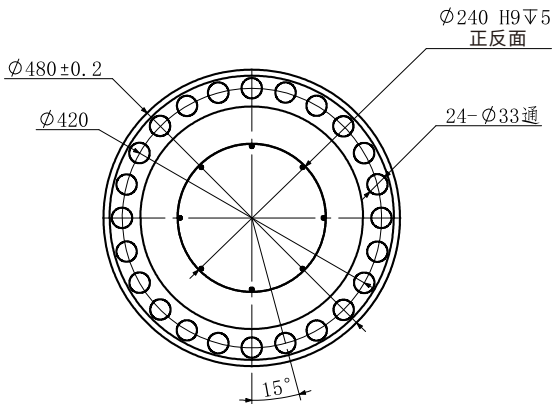
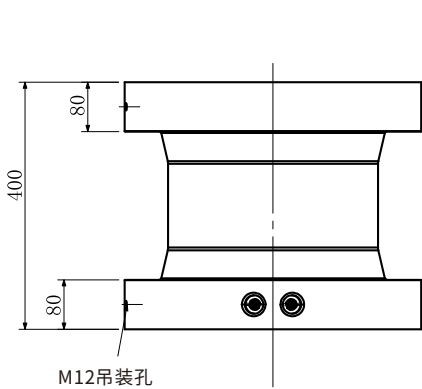
接线图 Wiring



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters		
额定量程 Nominal Capacity	t	1000t
过载能力 Safe Overload	%	120
工作温度 Operating Temperature	°C	-20~80
防护等级 Ingress Protection (IP)	IP	67
电缆长度 Cable	M	航插
弹性体材料 Spring Element Material		合金钢
测量方向 Loading Direction		拉压
传感器精度参数 Sensor Accuracy Parameters		
综合精度 Combined Error	%	0.25~0.5
线性误差 Non-linearity	%	0.25~0.5
相对滞后 Hysteresis	%	0.25~0.5
重复误差 Repeatability	%	0.01-0.05
温度漂移 Temperature Effect on Output	%	0.1%/10°C
传感器电气参数 Electrical Parameters		
满量程输出 Rated Output	mV/V	1.485-1.815
激励电压 Excitation Voltage	V(DC)	5~10
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

安装尺寸 Dimensions

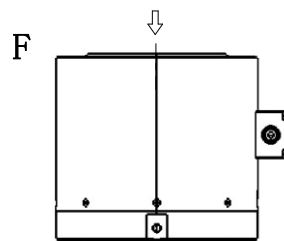


FA4194

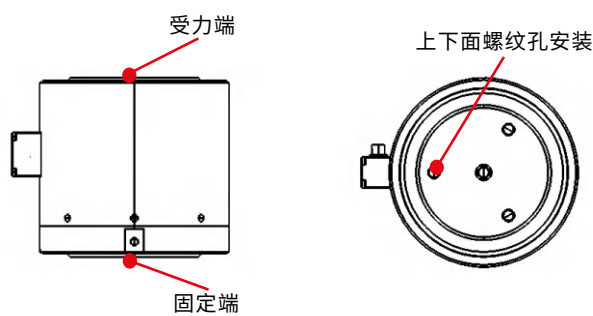
拉压力传感器



受力方向 Load Direction



安装方式 Installation



技术参数 Specifications

传感器物理参数 Sensor Physical Parameters

额定量程 Nominal Capacity	kN	5000kN
满量程位移量 Deflection at Full Scale	mm	0.3
固有频率 Natural Frequency	Hz	>4000
过载能力 Safe Overload	%	200
工作温度 Operating Temperature	°C	-40~80
防护等级 Ingress Protection (IP)	IP	65
电缆长度 Cable	M	φ5x6m
弹性体材料 Spring Element Material	-	17-4PH
测量方向 Loading Direction	-	压向

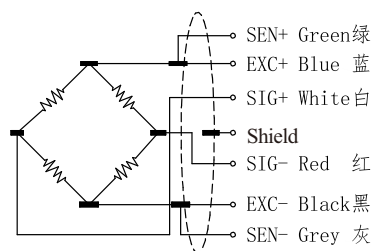
传感器精度参数 Sensor Accuracy Parameters

综合精度 Combined Error	%	≤±0.5
线性误差 Non-linearity	%	≤±0.5
相对滞后 Hysteresis	%	≤±0.5
重复误差 Repeatability	%	≤±0.5
负载蠕变 Creep (30 min)	%	≤±0.06(30min)
温度漂移 Temperature Effect on Output	%	0.1%/10°C

传感器电气参数 Electrical Parameters

满量程输出 Rated Output	mV/V	2-2.48
激励电压 Excitation Voltage	V(DC)	1~15
绝缘电阻 Insulation Resistance	MΩ/VDC	≥5000/100

接线图 Wiring



安装尺寸 Dimensions

