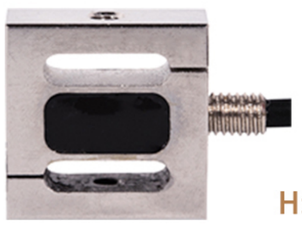
TCF-701A/701B

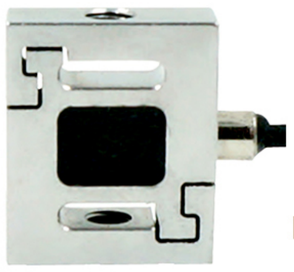
拉压力传感器
Tension & Compression Force Sensor

IP66

- 经典S型结构，综合精度≤0.05%FS
- 17-4PH不锈钢材质
- 微型设计便于狭小空间拉压力测量



H: 13mm

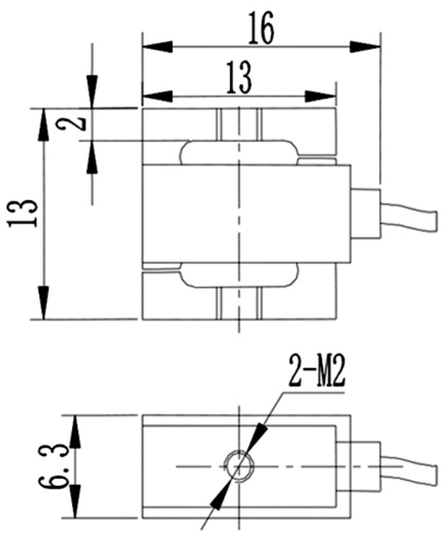


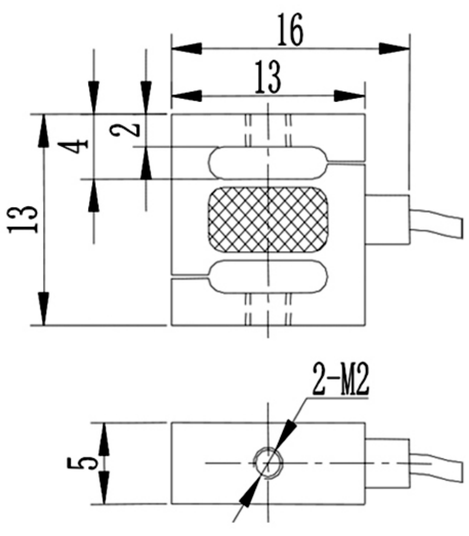
H: 19.1mm

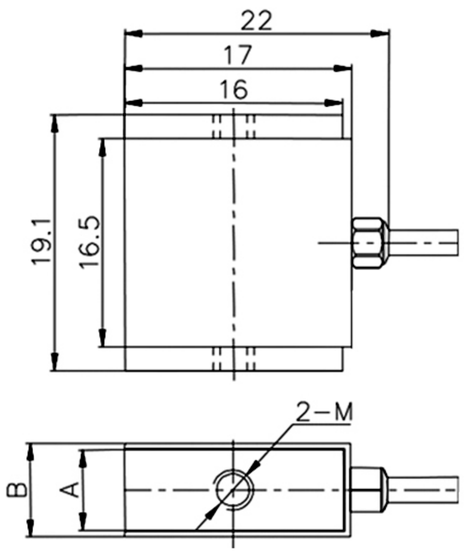
电气参数	TCF-701A	TCF-701B
额定量程 Capacity	10/20/30/50/100/200N	1/2.5/5/10/20/50/100/200/300/500N
额定输出 Rated Output	2.0±10%mV/V	2.0±10%mV/V
综合精度 Combined Accuracy	0.05%F.S.	0.05%F.S.
激励电压 Excitation Voltage	5~15VDC	5~15VDC
桥路电阻 Bridge Resistance	350±30Ω	350±30Ω
物理参数		
产品材质 Material of Construction	不锈钢 (Stainless steel)	不锈钢 (Stainless steel)
电缆规格 Cable	四线制/Φ2×4000mm	四线制/Φ2×4000mm
安全过载 Safe Overload	150%F.S.	150%F.S.
工作温度 Operation Temp Range	-20~80℃	-20~80℃
防护等级 IP Class	IP66	IP66

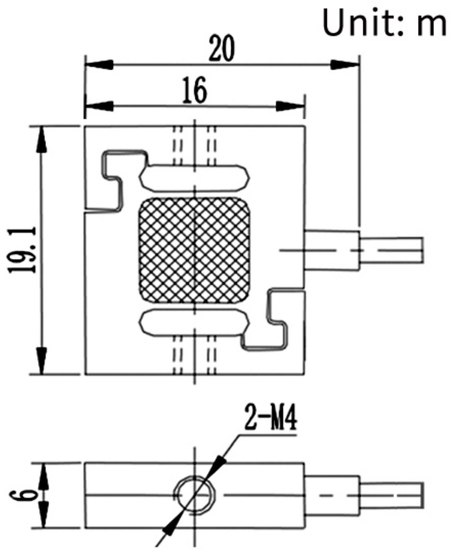
安装尺寸

Unit: mm









TCF-701A	5~20N,需要带外壳	30~200N,不带外壳可选			
	满载变形量 Deflection at F.S.	0.07~0.12mm			
	自振频率 Natural Frequency	600~8kHz			

	量程	A	B	M	备注
TCF-701B	1~20N	5	6.8	M3	需要带外壳
	50~500N	6	7.5	M4	不带外壳可选
	满载变形量 Deflection at F.S.				0.07~0.12mm
	自振频率 Natural Frequency				600~8kHz

选型指南

产品应用：触控板触摸板测试，键盘压力测试，USB插拔力测试，医用材料疲劳实验，注射器实验台，医疗导管力及线张力测量等

产品选配件：信号变送器，仪表、电缆，航插，螺纹适配器，加载压头，加载小平台