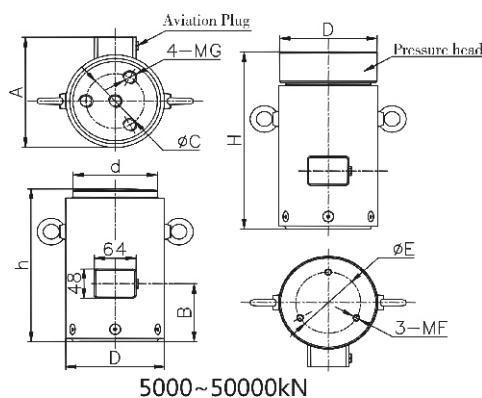
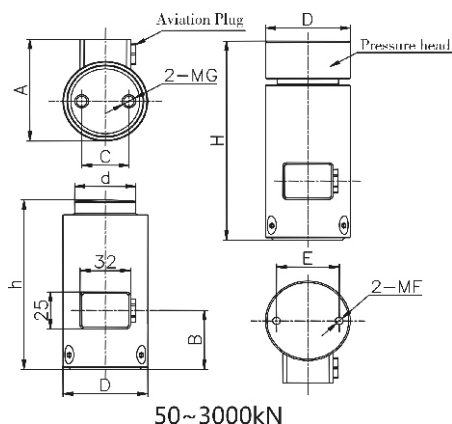


TH197 & TS197



主要尺寸 Schematic diagram



特点与用途 Features & Applications

Force Transducer

Special Features

-压向传感器

Compressive transducer

-额定载荷

Nominal (rated) forces

50kN, 100kN, 200 kN, 300kN, 500 kN,

1 MN, 2MN, 5 MN, 10 MN, 20MN, 50MN

-结构紧凑

Compact size

-本体质量轻

Lowweight

-可作为计量用的测量标准源

Can be used as a measurement standard for measurement

技术参数 Specifications

品名	Specifications	技术指标/Technique
额定容量	Capacity	50,100,200,500,1000,2000,3000,5000 10000, 20000, 50000 kN
输出灵敏度	Rated output	~2.0mV/V
零点输出	Zero balance	±1%F.S.
非线性	Non-linearity	0.02%, 0.05%, 0.1%, 0.3% F.S.
滞后	Hysteresis	0.02%, 0.05%, 0.1%, 0.3% F.S.
重复性	Repeatability	0.02%, 0.05%, 0.1%, 0.3% F.S.
蠕变 (30min)	Creep(30min)	0.02%, 0.05%, 0.1%, 0.3% F.S.
温度灵敏度漂移	Temp.effect on output	0.05%F.S./10°C
零点温度漂移	Temp.effect on zero	0.05%F.S./10°C
输入电阻	Input impedance	760±20Ω
输出电阻	Output impedance	700±10Ω
绝缘电阻	Insulation	≥5000MΩ/100VDC
激励电压	Recommended excitation	5V
最大激励电压	Maximum excitation	15V
温度补偿范围	Compensated temp range	-10~60°C
工作温度范围	Operation temp range	-30~70°C
安全超载	Safe overload	150%F.S.
极限超载	Ultimate overload	300%F.S.
电缆线尺寸	Cable size	φ5.4×6000mm
材料	Material	Alloy steel& Stainless steel
防护等级	IP class	IP67

Capacity (kN)	A	B	C	D	d	E	H	h	F	G
50,100,200,500	69	40	30	54	39	40	135	115	M6Depth10	M8Depth12
1000	93	60	40	78	60	50	175	150	M6Depth10	M12Depth20
2000	121	60	60	103	85	75	240	210	M10Depth16	M16Depth25
3000	145	70	75	125	105	90	290	250	M10Depth16	M16Depth25
5000	180	95	90	150	130	100	370	330	M10Depth16	M20Depth30
10000	245	125	120	215	190	120	450	400	M10Depth16	M20Depth30
20000	318	150	200	295	260	200	650	570	M12Depth20	M24Depth40
50000	487	185	300	455	420	300	800	600	M12Depth20	M24Depth40