

T197

Force Transducer

Special Features

Compressive transducer

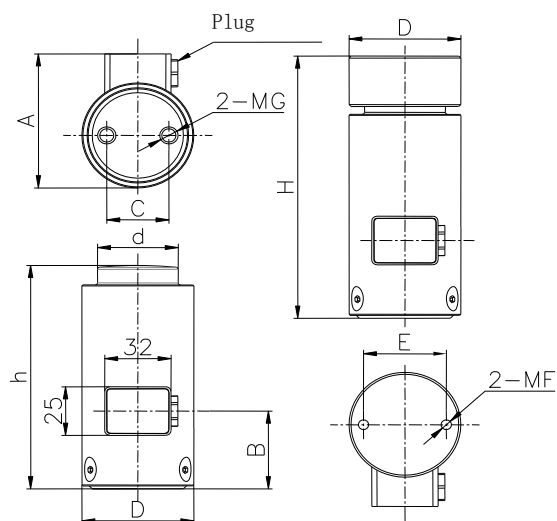
Nominal (rated) forces

50kN, 100kN, 200 kN, 300kN, 500 kN,
1 MN, 2MN, 5 MN, 10 MN, 20MN, 50MN

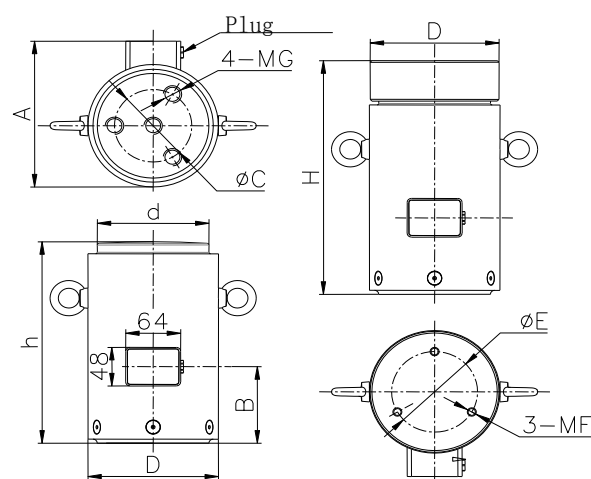
Compact size

Low weight

Schematic diagram T197 force transducer



50~3000kN



5000~50000kN

Capacity (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	93	60	40	78	60	50	175	150	M6 深 10	M12 深 20
2000	121	60	60	103	85	75	210	175	M10 深 16	M16 深 25
3000	145	70	75	125	105	90	240	200	M10 深 16	M16 深 25
5000	180	95	90	150	130	100	290	250	M10 深 16	M20 深 30
10000	245	125	120	215	190	120	390	340	M10 深 16	M20 深 30
20000	318	150	200	295	260	200	500	420	M12 深 20	M24 深 40
50000	487	185	300	455	420	300	680	580	M12 深 20	M24 深 40

Specifications

Specifications	Technique
Capacity	50,100,200,500,1000,2000,3000,5000 10000, 20000, 50000 kN
Rated output	~2.0mV/V
Zero balance	±1%F.S.
Non-linearity	0.02%,0.05%,0.1%,0.3% F.S.
Hysteresis	0.02%,0.05%,0.1%,0.3% F.S.
Repeatability	0.02%,0.05%,0.1%,0.3% F.S.
Creep(300min)	0.02%,0.05%,0.1%,0.3% F.S.
Temp.effect on output	0.05%F.S./10℃
Temp.effect on zero	0.05%F.S./10℃
Input impedance	760±20Ω
Output impedance	700±10Ω
Insulation	≥5000MΩ/100VDC
Recommended excitation	5V
Maximum excitation	15V
Compensated temp range	-10~60℃
Operation temp range	-30~70℃
Safe overload	150%F.S.
Ultimate overload	300%F.S.
Cable size	φ5.4×6000mm
Material	Alloy steel& 2Cr13 & 17-4PH
IP class	IP67

Pin assignment & Loading direction

