

MLC501 - through-shaft washer type Ring force sensor load cell 45t

Model: MLC501

Catalog: Multi-axis force sensors

Rated load: 0.3, 0.5, 1, 2, 2.5, 3, 3.5, 4, 5, 10, 15, 20, 30, 45 t

Material: alloy steel, stainless steel

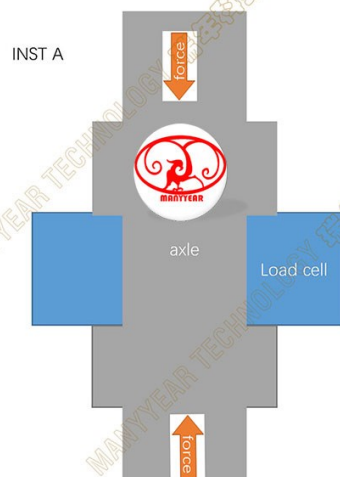
Accuracy: C2

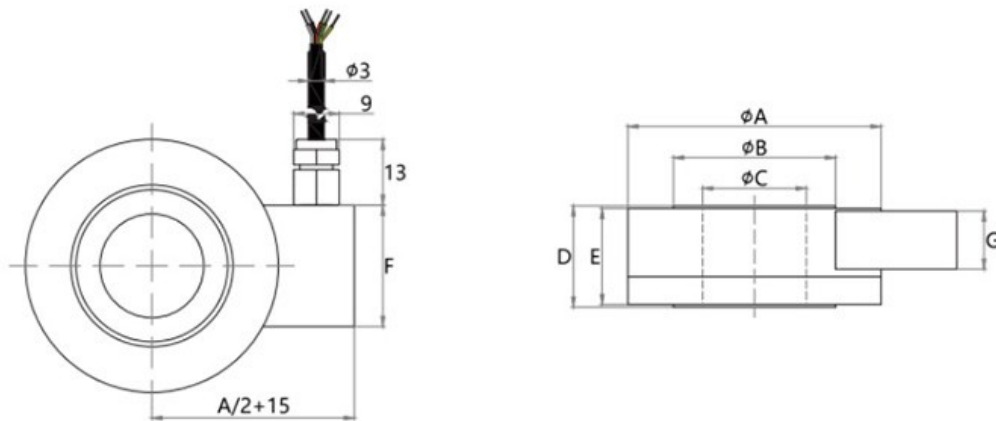
Safe overload: 150%; Ultimate overload: 200%

Features: annular force sensor, gasket force sensor, axial force sensor, extrusion force sensor, preload force sensor

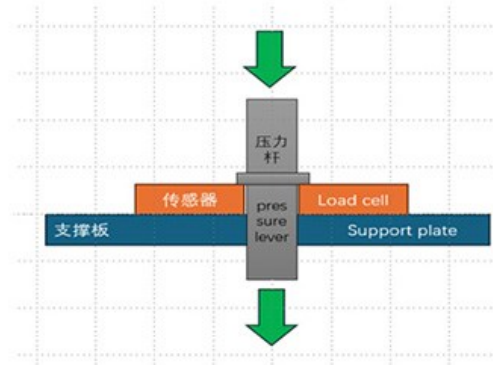
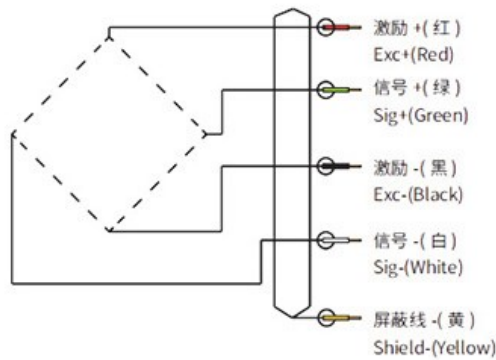


穿轴式称重传感器受力结构
FORCE STRUCTURE OF AXIAL LOAD CELL





量程 Capacity (t)	A	B	C	D	E	F	G
0.3, 0.5, 1, 2	34	24	16	15	14	24	10
2.5, 3, 3.5, 4	50	36	20	20	19	26	15
5, 10, 15, 20	69	54	32	50	49	50	30
10, 20, 30, 45	95	78	50	50	49	50	30



Technical Parameters

Comprehensive error:	0.5%FS	Output resistance:	352±5Ω
Rated output:	1±0.002mv/v	Insulation resistance:	≥5000MΩ (100VDC)
Nonlinearity:	0.05%FS	Excitation voltage:	9~15VDC
Lag:	0.05%FS	Compensation temperature:	-10~+40 °C
Repeatability:	0.02%FS	Operating temperature:	-40~+80 °C
Creep:	0.02%FS/10MIN	Effect of Temp. on zero point:	0.03%FS/10 °C
Zero Balance:	±1%FS	Effect of Temp. on sensitivity:	0.02%FS/10 °C
Input resistance:	400±5Ω	Defense Rating:	IP68 protection level