

MLC204D - Manipulator Robot Intelligent Switch Micro Force Sensor

Model: MLC204D

Category: Diaphragm Type Load Cell

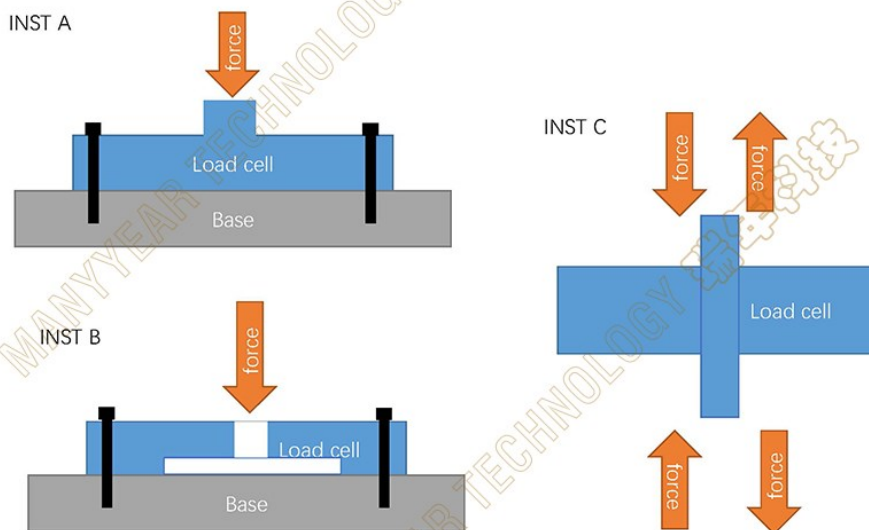
Load range: 20kg, 30kg, 50kg, 100kg, 300kg, 500kg, 1000kg, 2000kg

Size: $\phi 25 \times 18 \text{mm}$

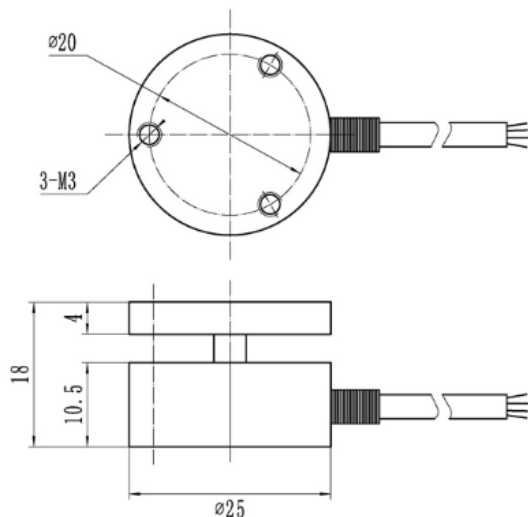
Material: stainless steel

Safe overload: 120% FS; Ultimate overload: 200%FS

Application: small force measurement, small compression test

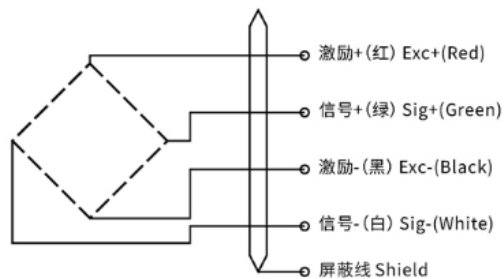


外形尺寸 External Dimension

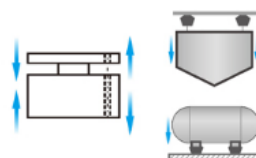


量程(kg) 20 30 50 100 200 300 500 1000 2000

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



Technical specification

Comprehensive error:	1.0%FS	Output resistance:	350±10Ω
Rated output:	1.0-2.0±0.05mV/V	Insulation resistance:	≥5000MΩ(100VDC)
Nonlinearity:	0.5 %FS	Operating Voltage:	2.5-5VDC
Lag:	0.5 %FS	Compensation temperature:	-10~+ 60℃
Repeatability:	0.3 %FS	Operating temperature:	- 1 0~+70℃
Creep:	0.3%FS/30Min	Effect of Temp. on zero point:	0.1 %FS/10℃
Zero Balance:	± 1 %FS	Effect of Temp. on sensitivity:	0.1 %FS/10℃
Input resistance:	350±10Ω	Protection level:	IP66