

Small OEM force sensor

Performance

Force range(FS)	50 kg
Excitation	3~15Vdc
Impedance, Typical	1000Ω
FSO, Typical	68±8mV/V
Zero offset(@25°C)	±10mV/V
Zero drift(3min)	0.5% FS
Repeatability	0.5% FS
Nonlinearity(BFSL)	±0.7% FS
Hysteresis	±0.5% FS

Environmental

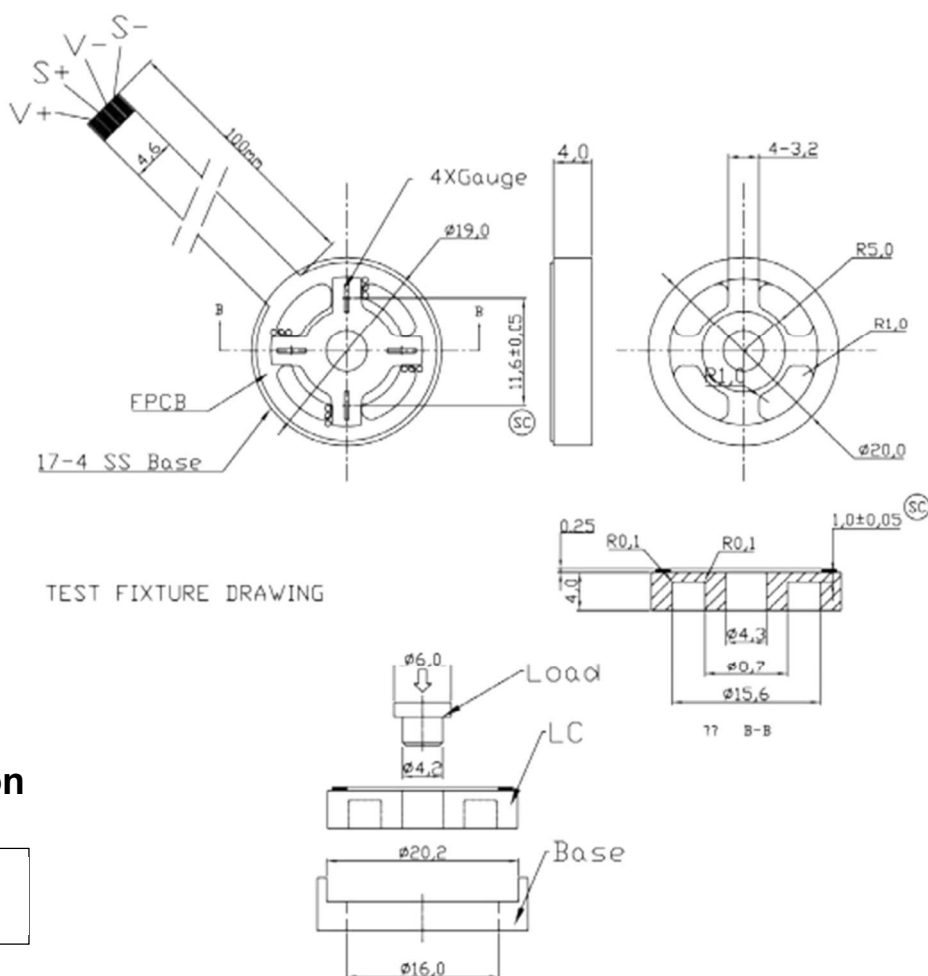
Storage temperature	-10 to 60°C
Operate temperature	-10 to 50°C
Temperature zero shift	±3% FS/10°C
Temperature sensitivity shift	±1.5% FS/10°C
Safe overload	>1.2 * FS
Insulation resistance(@250Vdc)	>50MΩ

Features

- Small size
- Different range available
- Mechanical stops available
- Excellent reliability
- Integrated amplifier option
- Tension pull plate and load button available

Application

- Process control equipment
- Robotics and effectors
- Test & measurement
- Appliance payload



Ordering Information

F1801-50

Force range:
50=0~50 kg
100=0~100 kg