



## Model PSC LC50-R

Model PSC LC50-R is highly suited for process industry applications. Dimensions are identical in standard ranges from 0-500N so the sensor can be interchanged for another of a different range without mechanical modifications. A high-level output model with integrated amplifier is available as are numerous other options. With a long standing experience as a designer and manufacturer of sensors, Pressure Sensor Ltd often works with customers to design or customize sensors for specific uses and testing environments.

### Applications

- Process control equipment
- Regulation load cell
- Robotics and effectors
- Laboratory and Research
- Dedicated to low and medium quantity volume

### Features

- Same housing for all ranges
- Mechanical stops in option
- Optional :
  - Tension Pull Plate
  - Load Button
- Integrated amplifier optional

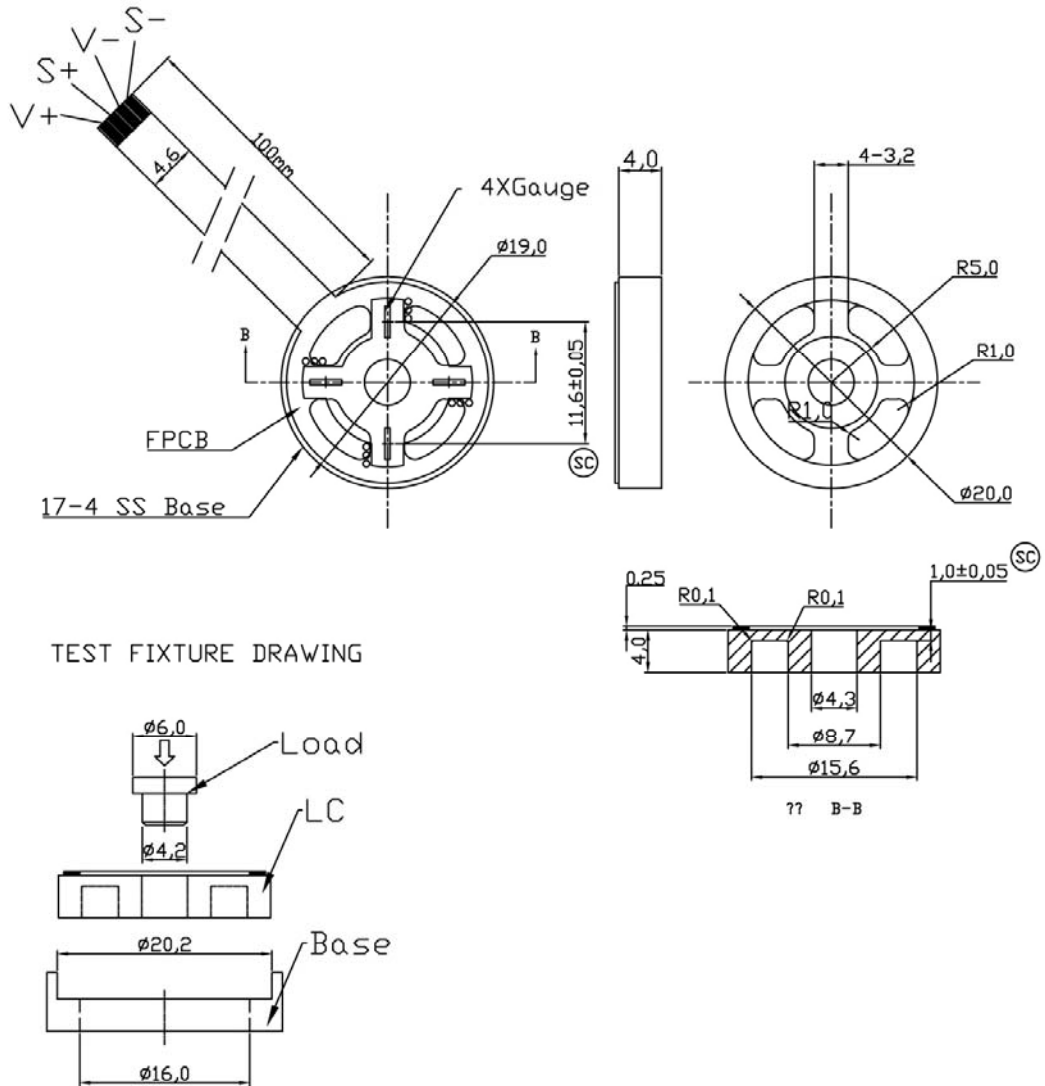
### Technical parameter

1	Capacity	50kg
2	Sensitivity	68±8 mv/v
3	Zero offset	-10mv~+10mv
4	Creep	0.5%F.S(3min)
5	Zero drift	0.5%F.S(3min)
6	Repeatability	0.5%F.S
7	Non-linearity	0.7%F.S
8	Hysteresis error	0.5%F.S
9	Zero TC(temperature coefficient)	3.0% F.S/10°C
10	Span TC(temperature coefficient)	1.5% F.S/10°C
11	Operating temperature	-10°C~+50°C
12	Insulation resistance	> 50Mohm/250VDC
13	Supply Voltage	3~15VDC
14	Safe overload	120%F.S
15	Storage temperature	-10°C~+60°C



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Structure reference(Unit: [ mm ] )



**Note:** UNLESS OTHERWISE SPECIFIED  
 ALL DIMENSIONS IN MM  
 TOLERANCES IN  
 DECIMALS ANGULAR  
 .X FOR  $\pm 0.1$   $\pm 0.5^\circ$   
 .XX FOR  $\pm 0.05$