

## Hollow Shaft Wire Wound Servo Potentiometer Model: HSS-50

Model HSS-50 is Servo Mounted Wire Wound Potentiometers with Hollow Shaft on two ball bearings and is best suited for tensioner application due to Low torque and longer life.

Spring Hard Stainless Steel C Clamp for Mounting

### Features

- ♦ Aluminum Black Anodized Top & Bottom
- ♦ Bakelite Housing,
- ♦ Double Ball Bearings
- ♦ Sleeve with 6 mm through Hole
- ♦ Gold Plated Terminals and Contacts
- ♦ 2 M3 Grub Screws on Sleeves

### Optional Features

- ♦ Customized Electrical Angle of Rotation with Tapping at 90°, 180°, 270°

### Electrical Specifications

Resistance Values	1 K $\Omega$ , 5 K $\Omega$ & 10 K $\Omega$
Customised Resistance Values	100 $\Omega$ , 500 $\Omega$ & 2 K $\Omega$
Power Rating	3 Watt@ 40°C
Linearity	Better than 1%
Insulation Resistance	200 M $\Omega$ at 500 VDC
Max Working Voltage	300 VDC
Voltage Proof	1 KV for 1min. at sea level
Electrical Angle of Rotation	355°



### Mechanical Specifications

Housing Diameter	50 mm
Housing Height	28 mm
Servo Mounting	Three M3 Screws @ 32 PCD
Pilot Diameter	19 mm x 1.5 mm
Mechanical Angle of Rotation	360°



### Applications

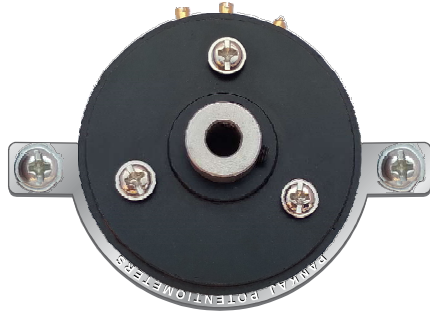
- ♦ Process Control Equipments,
- ♦ Dancer POT,
- ♦ Tension Control,
- ♦ Feedback,
- ♦ Control valve & many more.

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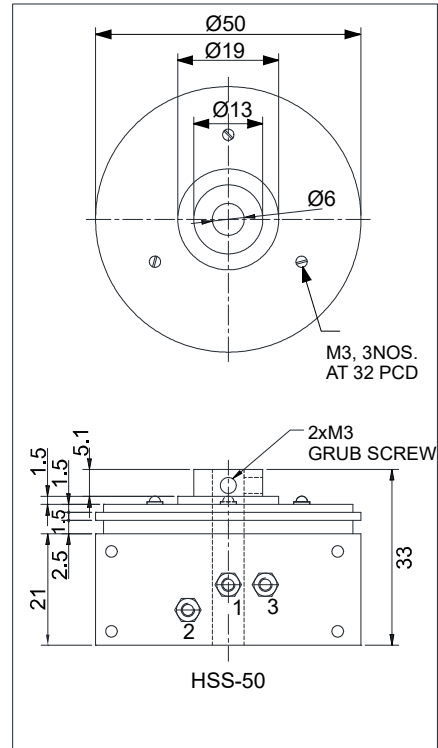
Product Image

Dimensional Diagram

TOP VIEW



BOTTOM VIEW



Theoretical Resolution in % of Resistance Value

Resistance Range	% Resolution
100 $\Omega$	0.234
500 $\Omega$	0.124
1 K $\Omega$	0.137
2 K $\Omega$	0.120
5 K $\Omega$	0.069
10 K $\Omega$	0.054

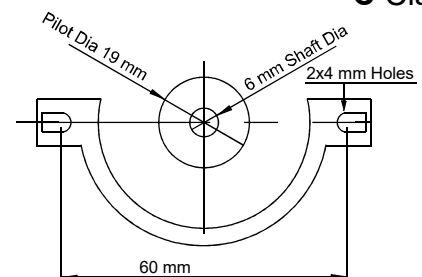


Spring Hard  
Stainless Steel  
C Clamp

Ordering Information

Example: HSS-50, 5K

Model No.	Resistance Value in Ohms
HSS - 50	100, 500, 1K, 2K, 5K, 10K



Note: We reserve the right to make any kind of design, specifications or functional modification at any moment without prior notice

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Manufacturers & Exporters  
MUMBAI-INDIA

URL: [www.pankaj.com](http://www.pankaj.com), E-mail: [pankaj.potentiometers@gmail.com](mailto:pankaj.potentiometers@gmail.com)