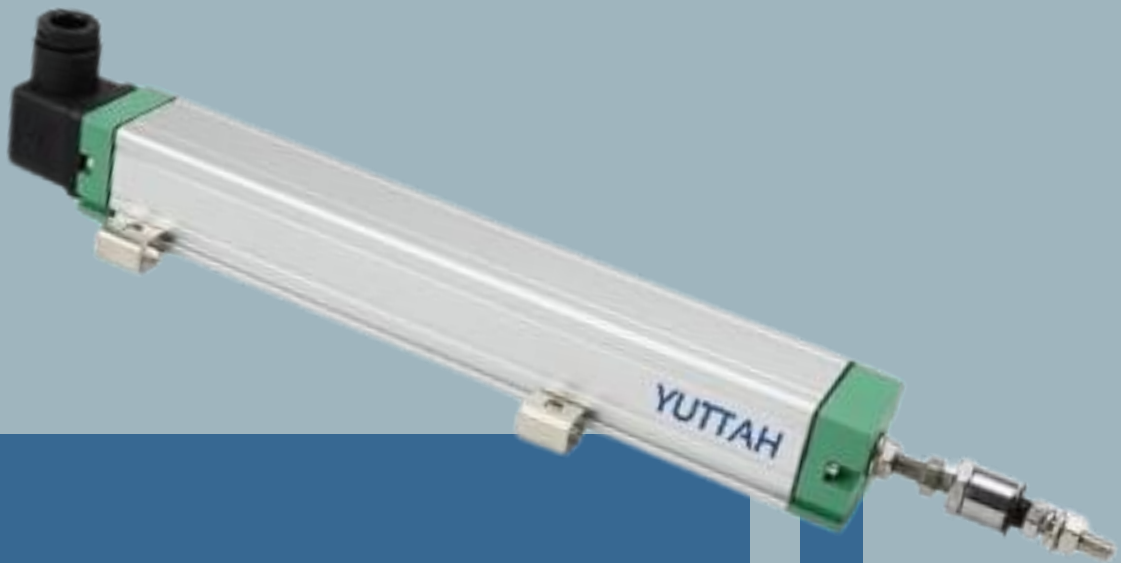


# YUTTAH



## Short-Range Position Sensor PS50

[www.yuttah.com](http://www.yuttah.com)

The short-range linear position sensor PS50 is developed for short ranges measurement in industrial applications. The position sensor is precise, agile and a practical solution for many applications.

## Technology

- High-precision linear position sensor
- Designed for short measurement ranges
- Sliding rheostat technology
- Measurement ranges 0...5 mm up to 0...1250 mm
- Available with different Analog outputs
- Easy mounting and direct application

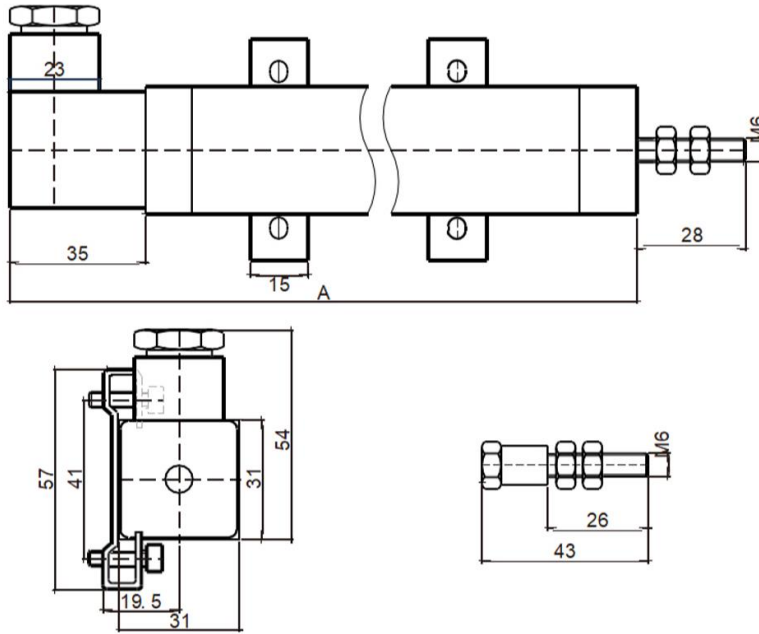


## Specifications

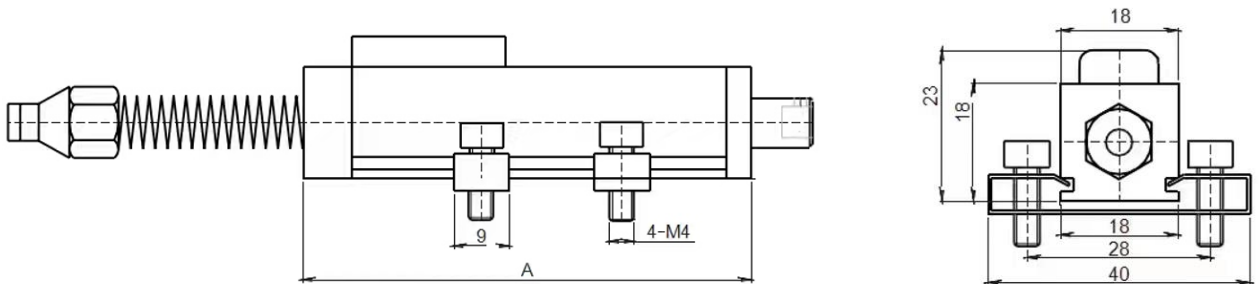
<b>Measurement ranges</b>	All ranges from 0...5 mm up to 0...1250 mm
<b>Output options</b>	Analog Output: Current: 4 – 20 mA 0 – 5 V 0 – 5 k $\Omega$
<b>Resolution</b>	0.004% F.S
<b>Linearity</b>	$\pm 0.05\%$ , $\pm 0.1\%$ , $\pm 0.2\%$ F.S
<b>Supply Voltage</b>	Flexible 8 – 30 VDC
<b>Excitation Current</b>	30 mA max.
<b>Protection Class</b>	IP65
<b>Operating Temperature</b>	-40 °C to +85 °C
<b>Housing</b>	Anodized Aluminum
<b>Mounting</b>	M6, M4 + mounting clamps
<b>Weight</b>	As per length
<b>EMC</b>	DIN EN 61326-1:2013

Drawings

Measurement ranges above 50mm:



Measurement ranges below 50mm:



Dimensions in mm

## Order Codes / Analog Output

PS50 - 2 - 3 - 4

1 Model PS50

2 Supply Voltage SV1: Flexible 8 – 30 VDC  
SV2: 24 VDC (+/- 5%)

3 Output A1: 0 – 5 k $\Omega$   
A2: 0 – 5 V  
A3: 4 – 20 mA

4 Measurement range X mm (up to 1250 mm)

Example: PS50 - SV1 - A3 - 1250

## Advantages

- High precision
- Compact and robust
- High resistance against shocks and vibrations
- High protection class
- Long lifetime
- Easy mounting and direct application
- Design flexibility
- Available with different interface options

## Applications

- Industrial Applications
- Industrial Vehicles
- Communal Vehicles
- Material Handling
- Forest and Agriculture Machines
- Heavy duty applications
- Power and Energy
- Hydraulic cylinders
- Pneumatic cylinders
- Liquid/Water level
- Other Applications

# YUTTAH

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YUTTAH is a leading manufacturer of sensors, located in the United Arab Emirates. Our main product lines are: Position Sensors, Angle Sensors, Inclination Sensors, Acceleration Sensors, Vibration Sensors, Temperature Sensors, Pressure Sensors and Weight Sensors.

It is our main goal to help our customers to fulfil their needs. Our quality products are designed flexible to meet the application requirements of our customers. Our mission is to help our customers in the engineering phase to reach the wished results by providing customer customized sensor solutions. Our team is highly excited to help you in the stages of your development as well as providing a lifetime support. The combination of our know-how, quality products, flexible customized solutions, extensive lifetime support, and our experienced team is the right solution for you.

