

# IPS

## Inductive Position Sensor

The IPS Series sensors is digital numerical output, which increase connection stability.

And the efficient design allow user to easily capture the actuate position by moving the sensing object to the target position.

With this solution, we are able to set the parameter without dismantling the mechanism, increase the efficiency and simplify the work.

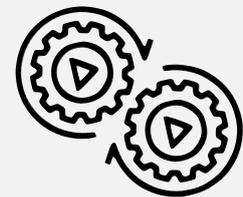
### What make us *Unique?*



**Digitally Connected Design**  
Higher Anti-interference Ability



**Instantly Capture**  
Actuation Point



**Adjust Actuation Point**  
Without Dismantling Mechanism



**Intuitive Operation Interface**  
Get Started in 3 Mins



**Highly Protected and**  
Compact Design



**Quick and Easy Installation**

### Key Feature

- Effective Distance: 11/ 16/ 40mm
- Output Type: 4 x PNP (NO)
- Supply Voltage: 24 VDC
- Accuracy Repeatability:  $< \pm 0.05$  mm
- Operating Temperature: -20~80 °C
- Protection Class: IP 67

### Application

- Tool machine and spindle position detection
- Machines and automation equipment displacement or position shifting monitoring
- Position shifting or deformation prediction
- Application area: spindles, rotary cylinders, Automation equipment, etc.

## Item Overview

Product Series	IPS Sensor				Programmer
Model	1101	1601	1601D	4001D	ATU 152
Programmer	PRS 252		ATU 152		N/A
Effective Distance	11 mm	14 mm	16 mm	40 mm	N/A
Output Type	N:3 x NPN P:3 x PNP (NO/NC)	4 x PNP (NO)	N/A		4 x PNP (NO)
Supply Voltage	24 VDC		N/A		24 VDC
Power Consumption -No load	< 30 mA		N/A		< 30 mA
Output Current	< 50 mA		N/A		< 50 mA
Sensing Gap	0.5 ± 0.1 mm		0.5 ± 0.1 mm	2.0 ± 1.0 mm	N/A
Accuracy Repeatability	< ± 0.05 mm		< ± 0.05 mm		N/A
Operating Temperature	-20~80 °C		-20~80 °C		-20~80 °C
Protection Class	IP 67		IP 67		IP 54
Size (mm)	29x26.5x16	40x33x21	40x33x21	70x30x16	80x50x20
Sensing Block Width	≥ 5 mm		≥ 5 mm	≥ 10mm	N/A
Images					

## PRS 252 / ATU 152 Programmer



- Enable to set four actuate points and tolerance range
- One-button to instantly set up the actuating position
- Output counter function
- External teach-in function (ATU-152 only)