

IPS-1301

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 can set the parameter without dismantling the mechanism, increase the efficiency and simplify the work.



■ Features

- Digitally connected design, higher anti-interference ability
- Instantly capture actuation point
- Adjust actuation point without dismantling mechanism
- IP 67 high protection and compact design

■ Applications

- Spindle tool clamping, unclamping, and chuck clamping monitoring

■ Item Overview

Model	IPS-1301P	IPS-1301N
Position Setting Device	PRS-252 / PCS-251	
Effective Distance (mm)	13	
Output Type	3 x PNP (NO/NC)	3 x NPN (NO/NC)
Supply Voltage (VDC)	24V ± 10%	
Power Consumption -No load	≤ 30 mA	
Output impedance	≥ 1KΩ	
Sensing Gap (mm)	0.5 ± 0.1	
Accuracy Repeatability (mm)	< 0.05	
Operating Temperature (°C)	-20~80	
Protection Class	IP 67	
Size (mm)	21x15x15	
Sensing Block Width (mm)	≥ 4	

■ Postion Setting Device

Model Type	handheld		PC based	
	PRS-252 P	PRS-252 N	PCS-251 P	PCS-251 N
Output Type	PNP	NPN	PNP	NPN
Set actuate positions and error ranges	✓		✓	
Record of actuation times	✓		✓	
Power on time record	✓		✓	
Parameter storage			✓	
Connected to Windows-PC			✓	

■ Dimensions and Installation

