

Laser Distance Sensors HP



High Precision
High Frame Rate

Coaxial
Optical Path

Anti-Interference
Ambient Light Immunity

Doppler
Velocity Measurement

< 20 μ m @1ms @1000mm

■ Specification

Parameters		LWP-FHP01-1/H Series
Optics	Light Source	1550nm Semiconductor Laser
	Laser Class	Class 1(IEC 60825-1:2014, EN 60825-1:2014)
	Mechanism	FMCW
	Spot Diameter(@Standard Distance)	50 μ m @600mm
Performance	Standard Distance	600mm
	Measurement Range	200 ~ 1000mm
	Target	Diffuse Reflective Object
	Repeatability	<20 μ m@1 σ
	Sampling Time	1ms
	Doppler Velocity	Support
Power Supply	Supply Voltage	18 ~ 30 V DC
	Current	< 250 mA (24 V DC)
Environment	Ambient Light Resistance	\geq 100Klux
	Cross Talk Resistance	Support Multi-Product Operation
	Operating Temperature	-20 $^{\circ}$ C ~ 55 $^{\circ}$ C
	Storage Temperature	-40 $^{\circ}$ C ~ 75 $^{\circ}$ C
	Humidity	95% (Non-Condensing)
	Environmental Protection	IP65
Product Certification		CE, ROHS

Note: Product specifications may vary for different model types and configurations, please contact us for details.

■ Application



Localization



Thickness
Measurement



Height
Control



Shape / Convexity
Detection



Stroke
Deflection



Counting
Joint Inspection

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