

Main Unit Spec

		LV-20Z	LV-1004Z ~Coming Soon~	LV-1520Z ~Coming Soon~
Optical Sensor		S-100Z		S-150Z/200
Signal Processing Unit		P-20Z	P-100Z	
Measurement Range		- 200 to 2000 mm / sec.	- 50 to 10000 mm/ sec.	- 75 to 15000 mm/ sec.
Maximum Resolution		2.5 μm / pulse	5 μm / pulse	7.5 μm / pulse
Focal Length		40 mm		200 mm
Depth of Focus		± 5 mm		
Laser Spot Size		2.4 x 0.1 mm (at focal point)		
Effective Object Surface		Reflectance 20 % or more, flat scattered		
Output Signal	F/ V analog output	- 0.5 to + 5 V (at RANGE 1)	- 0.025 to + 5 V (at RANGE 1)	- 0.025 to + 5 V (at RANGE 1)
	Accuracy	less than ± 1 % of full scale	less than ± 3 % of full scale	
	A,B Phase Balanced Output	2.5, 5, 10, 20, 40, 80, 160, 320 μm	5, 10, 20, 40 μm	7.5, 15, 30, 60 μm
	Phase Difference	90 \pm 30 deg		
	Doppler Pulse Output	120 to 1000 kHz	180 to 4200 kHz	
	Measurement Uncertainty	less than ± 0.2 %		less than ± 0.3 %
	Optical Shift Frequency Output	200 kHz, CMOS level		
	UP/DOWN Pulse Output	pulse per Δd moving to positive/negative direction		
	Measurement Error Output	Indicate high level when error		
Velocity Display		5 digit (mm / sec, m / min. selectable)		
Light Source		Semiconductor Laser (680 nm)		
Voltage		100 ~ 240 V		
External Dimensions	Optical sensor	33 x 98 x 30 mm 0.31kg		77 x 245 x 66 mm 1.4kg
	Main Unit	235 x 290 x 115 mm, 3.7kg		
Ambient Conditions	Operating Temperature	0 to 45 $^{\circ}\text{C}$		
	Storage Temperature	- 30 to 60 $^{\circ}\text{C}$		
	Humidity	80 % RH or less (no condensation)		