SIMTRUM

Free-space Multi-point Laser Doppler Vibrometer (FNV-R4D-VD1)

Specifications	Standard	Custom Design
Measurement point	4	
Laser	He-Ne Laser (wavelength at 632.8nm, Class II, Eye safe)	
Standoff distance	0.2m - 5m (adjustable focal length,up to 20m with retro-reflective surfaces)	
Spot size of laser	20μm - 500 μm	
Output	Velocity or displacement (selection from software)	
Frequency measurement range	0.1Hz - 250kHz	
Synchronization among channels	20ns	
Velocity measurement range	Adjustable based on resolution,from 10mm/s to 2m/s	
Resolution	Velocity: Displacement: 5pm	
Demodulation system	FPGA digital decoding system(real time output)	
Interface of control	Software control	
Cable length between sensing head and system	2m	
Mounting hole of sensing head	M4, M6， 1/4"-20	
Data output	Digital output(USB2.0 interface) Analog output (BNC interface)	
Power supply	110V-240V， 50Hz-60Hz	
Software	Windows-based interface fordisplay analyze and save measurement data	Optional laptop with SSD
Trigger interface	TTL Signal, BNC interface	
Size of sensing head	300mm (L) x 60mm (W) x 120mm(H)	
Warranty	1-year warranty	Optional 2-year warranty

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