

The Future of Vibration Testing

OMS LaserPoint LP01

Laser Doppler Vibrometer



The OMS LaserPoint LP01 Laser Doppler Vibrometer is a non-contact, laser-based vibration measurement system. Its innovative design allows for easy and accurate characterizations of the surface velocity of nearly any object in just seconds. Combined with the OMS LightWave software and a National Instruments™ data acquisition system, the OMS LaserPoint LP01 is a turnkey solution to the most demanding engineering challenges.

Features

- > Easy-to-use point and measure operation
- > No focusing required
- > No surface treatment required
- > Large dynamic range
- > Ultra-high sensitivity
- > Wide frequency range
- > Working distance from 0 to 5 meters
- > Mature and proven technology

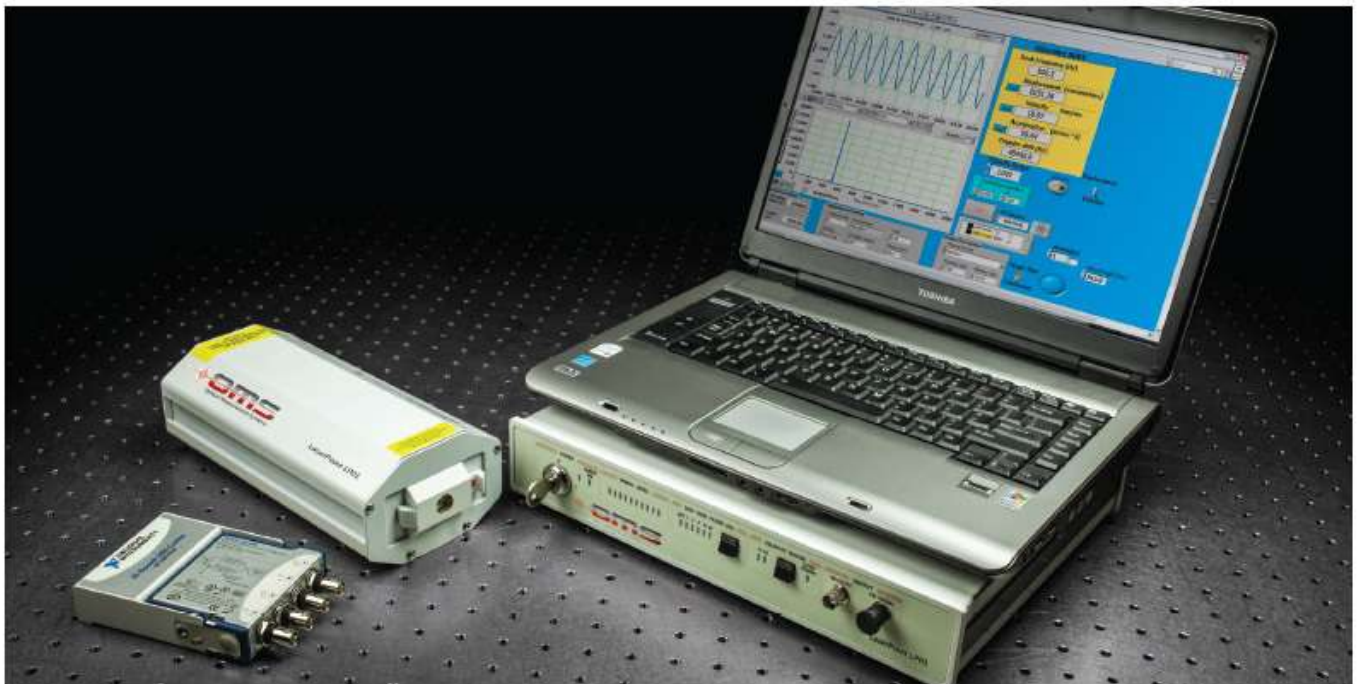
Specifications

Velocity Range	2 microns/sec to 800 mm/sec
Frequency Range	DC to 20 kHz ¹
Working Distance	0 to 5 m
Displacement Range	50 μ m to 100 mm
Signal Output	Analog Voltage (± 10 V)
Low Pass Filters	1, 2, 5, 10, 20 kHz
Laser (Measurement)	780 nm, <20 mW, Class 3B
Laser (Pointing)	650 nm, <1 mW, Class 2
Power Requirements	110–220 V at 50–60 Hz
Temperature Range	3 to 45°C
Laser Head Weight	1.4 kg
Controller Weight	3.9 kg
Laser Head Dimensions	24 x 11.4 x 7.6 cm
Controller Dimensions	30 x 22 x 6 cm

¹ Contact OMS to discuss higher frequency ranges
Specifications are subject to change without notice

The OMS LaserPoint LP01 is used for applications in the aerospace, automotive, medical, audio, and electronics industries, as well as in many government and university research labs. Customers in over 25 countries rely on the LP01 for certainty in their testing, research, and manufacturing environments.

Visible and Infrared Laser Radiation
Avoid Direct Exposure
Class 2 Laser Product at 650 nm
Class 3B Laser Product at 780 nm



To learn more or discuss your application, please contact us

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