



miniLDV G5B

NIST Traceable Calibration

Simple. Precise. Affordable.

Flow monitoring made simple. Ideal for accurate and reliable monitoring of wind and water tunnel flow speeds.

Designed to be easily integrated into a flow tunnel set-up, and provide accurate monitoring of flow speed, mean speed, and turbulence intensity. The G5B is also ideal for calibrating anemometers for meteorological stations. Available with a 100 mm or 300 mm standoff distance, the G5B is delivered in a durable Pelican case for secure storage and portability to multiple locations.



The miniLDV G5B sensor combines affordability with accuracy and dependability. The G5B is ideal for verifying and monitoring the quality of wind or water tunnels. As with all MSE sensors, it requires no alignment or calibration, so no previous experience is required.



Advantages of the miniLDV G5B

- No alignment or calibration required for the life of the sensor
- Compact and light-weight
- Portable, delivered in a sturdy Pelican case for storage and transportation
- NIST traceable calibration offered
- Measures point speed, mean flow speeds, and turbulence intensity

Specifications



Measurement Specifications	
Velocity Range (by Standoff)	0 to 60 m/s (100 mm) 0 to 120 m/s (300 mm)
Repeatability	99.9%
Accuracy	99.7%
Measurement Volume	
Dimensions	Min: 30 x 60 x 200 μ m
Standoff Distance	100 mm or 300 mm
System Specifications	
Total Weight	3 lbs (1.4kg)
Sensor Diameter	1.25" (32 mm)
Sensor Length	6.9" (175 mm)
Processing Engine	6.5" x 4.5" x 3.5" (165 x 114 x 89 mm)
Cable Length	10' (3.05 meters)
Power Supply	12 VDC, 0.3 Amp

Laser Specifications	
Laser Power	130 mW
Wavelength	658 nm
Laser Type	Class IIIb
Operating Parameters	
Temperature	5 to 35°C
Pressure	Atmospheric
Software OS	Windows 10 & 11
Port	USB-A
Traversing Stage Options	
<ul style="list-style-type: none"> • 1 axis, 2 axis, & 3 axis traverse systems available for profile measurements 	
Measurements Provided	
<ul style="list-style-type: none"> • Speed Measurement • Mean Flow Speed • Turbulence Intensity 	