miniLDV **G5B**

N I S T   T r a c e a b l e   C a l i b r a t i o n

Simple. Precise. Affordable.

Flow monitoring made simple. Intended for accurate and reliable flow speed monitoring of wind and water tunnels.

Developed for subsonic flow monitoring of wind and water tunnels, the G5B model is designed to be easily integrated into a flow tunnel set-up, and provide accurate flow speed monitoring, mean, and turbulence intensity. The G5B is ideal for calibrating anemometers for meteorological stations. Available with a 100 mm standoff or 300 mm standoff, the G5B is delivered in a durable Pelican case for transporting to multiple tunnels, and for safe storage of the sensor when not in use.

measurementsci.com   626.577.0566

The miniLDV G5B sensor offers affordability without compromising accuracy and dependability. The G5B is ideal for end users that need to monitor and verify the quality of their wind or water tunnel. As with all of MSE's miniLDV sensors, the G5B model does not require alignment or calibration by the user, so no previous experience is necessary.

Advantages of the miniLDV G5B

- No calibration required for the life of the sensor
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- Compact and light-weight
- Portable, delivered in a sturdy Pelican case for transporting and storing
- NIST traceable calibration offered
- Provides speed measurement, mean, and turbulence intensity

Specifications

Standoff distance / Speed range
100 mm standoff in air, speed range of 0 to 60 m/s
300 mm standoff in air, speed range of 0 to 300 m/s
Accuracy
99.7%
Repeatability
99.9%
System weight
3 lbs (1.4 kg)
Probe dimensions
4" diameter x 8" length
(10.16 cm x 20.32 cm)
Processing Engine dimensions
6.5" x 4.5" x 3.5"
(16.5 cm x 11.4 cm x 8.9)
PC required
Laptop or PC, Windows 7 or 10

Laser power
130 mW
Laser wavelength
658 nm
Laser type
Class IIIb
Operating Temperature
5 to 35˚C
Operating Pressure
Atmospheric
Power
12 VDC, 0.3 Amp

Measurements provided
Speed measurement
Mean flow speed
Turbulence intensity