MiniVLS Optical Laser Speed Sensors

MiniVLS 313 Speed Sensor USB Laser Tachometer

The MiniVLS 313 Speed Sensor USB Laser Tachometer is the first pocket laser tachometer developed to operate on the android smartphone (USB-OTG supported) with a data save function for a smartphone and tablet. Primarily designed for speed related applications, including high-speed monitoring and are widely used for research, development and test applications.

Key Features:

Pocket Sized Instrument:
The size of USB-Tacho is a small and compact handheld Tachometer, at just 20mm x 65mm, See Specifications.

Data Save:
All the measured data can be saved to a smartphone or tablet for later use.

Sampling Time Option:
From 0.1s to 5s sampling time can be chosen based on measurement requirement.

No Batteries are Required:
The Sensor is powered by the smartphone and tablet, no batteries are required to operate the Sensor.

Multiple Units Option:
Different measuring units can be chosen including rps, rpm, meter/minute etc.

Diameter Setting:
The diameter can be adjusted depending on measured wheel for linear speed measurement without the need of a contact adapter.

Maximum, Minimum, Average Instant Display:
The maximum, minimum and average are instantly displayed when the readings are taken.

APPLICATION NOTE:

The sensor is not limited to use only with Android APP, but can be used on any application which needs USB data transfer such as LabView. Customised programming for the sensor is available for your requirement.

Specifications	
Optical Laser Range	50mm - 2000mm
Light Source	Red Laser Class II 635nm
Optical Angle	± 80 degrees
Speed Measurement Range	3 - 99,999 rpm
Resolution	0.001 RPM
Operating Temperature	0 to 50 degrees
Baud Rate	115,200
Connector / Power Source	Mini USB
Time Base	0.1s to 5s (Adjustable)
Cables	Several options
Dimensions	20mm W x 65mm H

Order Code	Description
MiniVLS 313	USB Tacho Laser Sensor