

## POWERSIGHT LASER-BASED LDV SYSTEM

SKU: PS-TM-1D-532

TSI's pre-configured one-component, two-component, or three-component (1D, 2D or 3D) Laser Doppler Velocimetry (LDV) systems—with the new PowerSight Solid State Laser—will get you up and running in a hurry. This new and improved setup features the PowerSight module, which includes the latest in solid state lasers, transmitting and receiving optics, and all control electronics for use as a standalone solution.



## PRODUCT DETAILS

All three of TSI's LDV systems now combine state-of-the-art solid state laser technology and the patented and proven signal processing techniques, in order to provide reliable, accurate measurements for your research. Additionally, the new Microsoft® Windows® 7/10 64-bit based FlowSizer™-64 software with the system allows you to easily navigate the software, in preparation for your demanding measurements. Results are made available instantly, allowing you to make adjustments if needed.

## APPLICATIONS

- Wind tunnels
- Turbulence measurements
- Water channels
- Non-contact velocity measurements
- Measurements in combustion, flames, rotating machinery
- Field studies

## FEATURES & BENEFITS

- TSI's compact PowerSight module using the latest in solid state laser technology—is configured for 1D, 2D and 3D arrangements to measure u, v and w components of the velocity in your flow field
- Easy-to-use FlowSizer™ Data Acquisition and Analysis Software included, Microsoft® Windows® 7/10 64-bit compatible operating system
- Easy to upgrade from 1D to 2D and 3D configurations
- High power lasers provide high SNR for high speed and complex flows
- Coupled with the PowerSight module, fiber optic probes offer flexibility of the fiber optics arrangement, allowing measurements in underwater conditions, hostile environments and large wind tunnels
- Beam expanders can be fitted onto the PowerSight module, providing long focal distance for flow measurements in large facilities
- The PowerSight module is also configured for Phase Doppler measurement, providing simultaneous droplet size and velocity, like the PDPA system configuration