

## industrial LDV (iLDV)

robust – easy – to use – versatile – affordable



### Overview

Industrial grade Laser Doppler Measurements in a compact and lightweight footprint. Compatible with our rich software and accessories eco system, enabling good integration automation and future updates. Preconfigured as an affordable alternative to traditional systems without compromising on quality or functionality.

## Specifications

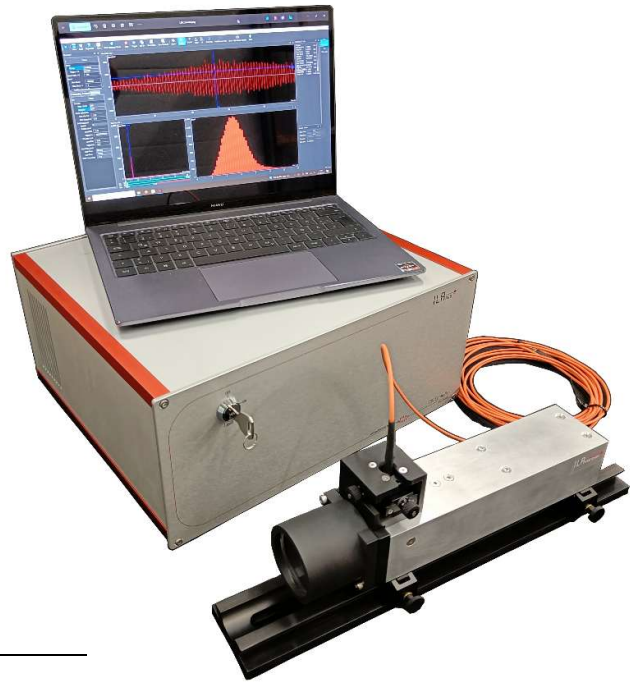
### iLDV Probe

<b>Dimensions</b>	300 x 60 x 120 mm (L x W x H)
<b>Weight</b>	1.2 kg
<b>Laser</b>	DPSS Nd-YAG: f2 TEM <sub>00</sub>
<b>Laser Power</b>	100 mW, class 3B
<b>Wavelength</b>	532 nm
<b>Focal Length</b>	80, 160, 250 and 400 mm, quick change
<b>Beam Distance</b>	45 mm
<b>Fiber</b>	5 m
<b>Configuration</b>	Dual-beam, backward, forward (optional), unshift



### Accessories and Upgrades

- Traverse module and integration
- Forward scattering module
- Remote control and integration
- Custom focal length
- Transport case
- Ray Tracing
- Uncertainty / Safety Assessment
- Inhouse or CIPM MRA Calibration by PTB
- Goggles and Safety Equipment



### USB Spectral Analysis Module

<b>Sample rate</b>	Up to 500 MHz (single channel)
<b>Resolution</b>	8 Bit
<b>Bandwidth</b>	50 MHz
<b>Input range(s)</b>	$\pm 20$ mV, $\pm 50$ mV, $\pm 100$ mV, $\pm 200$ mV, $\pm 500$ mV, $\pm 1$ V, $\pm 2$ V, $\pm 5$ V, $\pm 10$ V, $\pm 20$ V
<b>Channels</b>	2 input + 1 AWG
<b>Interface</b>	USB

### 1D LDV Controller

<b>Dimensions</b>	330 x 370 x 150 mm or 19" rack module casing
<b>Weight</b>	10.3 kg
<b>Signal Detector</b>	Photomultiplier, optical separation module
<b>Filter Module</b>	Remote controlled 8 LP + 8 HP
<b>Communication</b>	Ethernet Connection