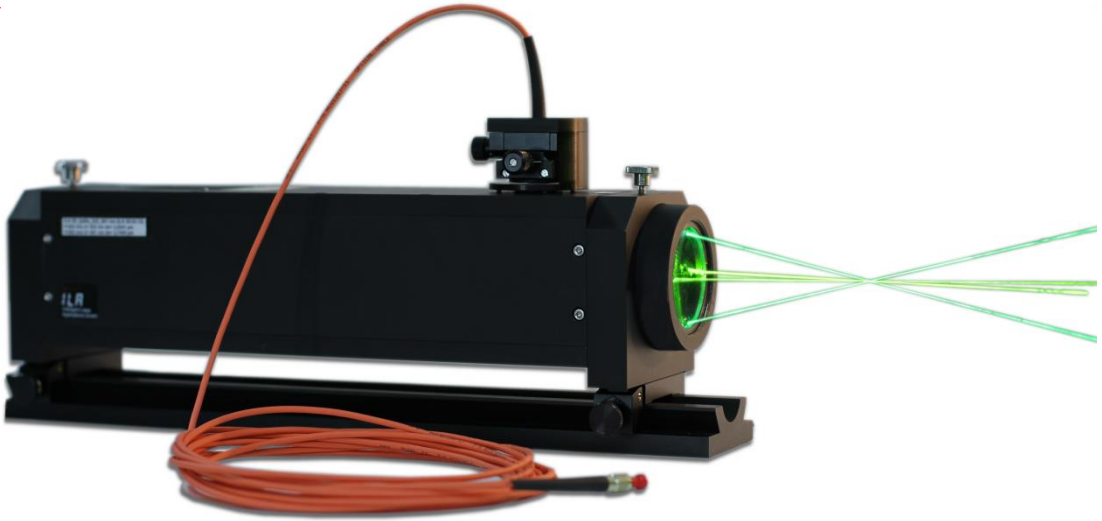


## 2D fp50 LDV System



2D Probe  
Wavelengths: 532 and 561 nm.

The 2D LDV Probe is based on our fp50 shifted probe's design, it follows the ILA's approach of building high reliable LDV probes with incorporated lasers and without optical transmission fibers. The greatest advantage of our approach is that between 80 to 90 % of the laser power is transferred to the measurement volume, furthermore it involves a reduction of costs due to the omission of the additional optical fibers.

Two Nd:YAG lasers are built in the probe, with wavelengths of 532 and 561 nm and a maximal power up to 200 mW.

### Main Features:

- Simple setup and alignment
- Long term stability
- High laser power transferred to the measurement volume
- High measurement accuracy
- No optical transmission fibers
- Automatic traversing, optional
- Robust Transportation Suitcases
- Little Dispersion Effect
- Good Visibility



## Specifications



2D Probe with Controller

### LDV Probe

Dimensions	80 x 92 x 360 mm
Weight	4,3 kg
Laser Power	75, 200 mW
Coherence Length	>50 m
Focal Length	250, 400 mm*
Beam distance	45 mm
Wavelengths	532 and 561 nm
Accuracy	0,3 %
Power Adjustment	30 % up to 100 %
Calibration	PTB Calibration certificate on request

(\* ) Other focal lengths are available on request

### LDV Controller

Dimensions	330 x 370 x 150 mm*
Weight	10,3 kg
Spectral Analysis Module	50, 200 MHz, 8 Bit
Input range	+/- 100 mV, +/- 200 mV, +/- 500 mV, +/- 1 V
Signal separation	Photomultipliers, with incorporated optical separation module
Communication	Ethernet Connection

(\* ) Also available for 19" rack

### Accessories

- Traversing units, up to 9 axes with displacement from 200 up to 2000 mm
- Traversing software for different suppliers integrated in Qflow
- Raytracing Software
- Receiving optical fibers
- Integrated IF Converter with 6 analog channels
- ILA LDV Computer
- Seeder, particles