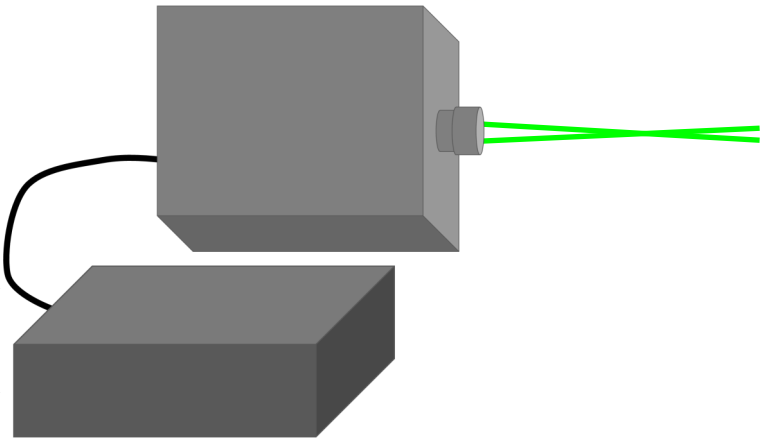
FringePro Lite™

An affordable, multipurpose flow velocimeter.

Features:

- Complete instrument system
- One velocity component measurements from <1mm/s to 40m/s[a]
- Measurements in liquid or gas
- Diode-pumped solid state laser technology
- Reliable, nearly maintenance-free operation
- Ultra-sensitive light detection
- Exclusive software suite for data acquisition and burst processing

FringePro™



Specifications*

Probe dimensions	30cm x 20cm x 10cm
Probe weight	Est. 6kg
Power supply dimensions	20cm x 15cm x 10cm

Laser	Diode pumped solid state (Nd: YAG frequency-doubled)
Wavelength	532nm
Power to measurement volume	200mW[b]
Photodetector	Photomultiplier
Data acquisition and burst processor	PC-based processor connects to FringePro via USB
Power source	90-264VAC

Customer specified probe access lengths are available:

Access length (mm)	Typical velocity uncertainty (% of particle speed)	Minimum velocity measurable	Measurement volume diameter (*μm*)	Measurement volume length (mm)
125[c]	0.4%	<1mm/s	45	0.3
200[c]	0.4%	<1mm/s	70	0.7
250	0.4%	<1mm/s	85	1.1
300	0.4%	<1mm/s	100	1.5
350	0.4%	<1mm/s	120	2.1
500	0.4%	<1mm/s	170	4.25

[a]Higher speed upgrades available
[b]More powerful configurations available at the customer's request.
[c]Standard options available at no extra charge.
*Note: specifications subject to change without notice. Final specifications are given at time of quotation. Rev 01022009

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