



Ultra high speed vibration measurements are based on a ratio of Gaussian laser beam width used for illumination of the measurement volume to Gaussian signal width of a scattered intensity amplitude from a precision sphere analogous to the spherical opaque particle. The product was realized during the multiphase high speed flow measurements.

Present series makes frequency measurement range
Even beyond specified



Key Specifications & accessories:

- Designed for high frequency upto 2-2.5 MHz
- Small form factor
- Wavelength 376 nm - 588 nm
- Stainless steel body
- Carbon coated receiver case
- Negative current sensing
- Comes with it a PC based software through data acquisition
- Sever based data acquisition can be possible based on customers' demand
- Analogue sensing device
- Separate Aux current distributor of 1.6 kg wt.
- Computer or server operated

OCP series I

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OMNILERT SYSTEMS ENGINEERING (OPC) PRIVATE LIMITED



Specifications		OCP series I	OCP series II	OCP series III	
01	Item weight	500 gms	500 gms	500 gms	
02	Item dimensions	183.1×79.8×50	183.1×79.8×50	183.1×79.8×50	
03	Material	Steel, Al, glass	Steel, Al, glass	Steel, Al, glass	
04	Model number	280222	010322	020322	
05	Wavelength	376nm-588nm	376nm-588nm	376nm-588nm	
06	Input/Operating	Power			
		Current	+/- 50 mA	+/- 50 mA	+/- 50 mA
		Adjustable	Voltage	5 -12 Vdc	5 -12 Vdc
07	Operating	Aux. Power	30 -70 W	30 - 70 W	30 - 70 W
		Aux. Current	2 mA	2 mA	2 mA
		Adjustable	Aux. Voltage	500-1800 VDC	500-1800VDC
08	Receiver type	PMT	PMT	PMT	
09	Gain	Subjected to λ	Subjected to λ	Subjected to λ	
10	Wire dimensions	1m	1m	1m	
11	Collimating lens	yes	yes	yes	
12	Frequency range	1 Hz – 50 kHz	50 kHz – 1 MHz	1 Hz – 2.5 MHz	
13	Beam dimensions at MV	1 - 1.5 mm	1 -1.5 mm	1 - 1.5 mm	
14	Beam divergence	0 - 0.5	0.0 - 0.5	0.0 - 0.5	
15	Operating temperature range	-10 °C -- +50 °C	-10 °C -- +50 °C	-10 °C -- +50 °C	
16	Housing	SS, CCA	SS, CCA	SS, CCA	
17	Calibration	Half Yearly	Half Yearly	Half Yearly	
18	Software Omnilert SEPL	OCPSV	OCPSV	OCPSV	
19	Server based DAQ	On request	On request	On request	
20	Type	F	FV	FV	
21	Warranty	2 years	2 years	2 years	

The module has an integrated optic, laser diode and APC driver circuit. Spot-size maintains the MV dot while temperature fluctuate between 14°F ~122°F. (-10 °C to +50 °C).

APC driver circuit enables constant Laser output power. Glass lens provides a measurement volume (MV) spot. Contents of brochure can be changed anytime without prior notice if required.