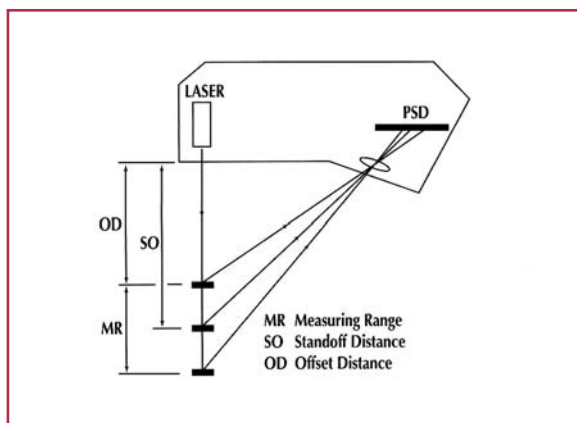
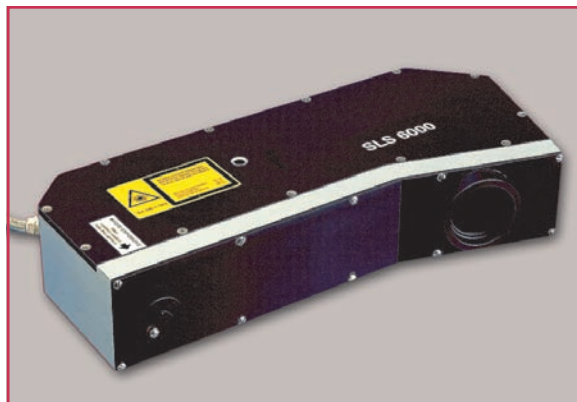


Product Information Selcom SLS 6000



High Frequency, Large Standoff, Advanced Signal Filtering and Built for Hostile Environments

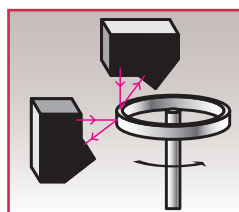
- Longest range sensor in the Selcom family
- High speed PSD-based triangulation principle
- Sophisticated fast automatic light control
- Built-in processor for data averaging and filtering allows for a variety of data and analog outputs
- Fast sampling rate at 16 kHz provides information other sensors might miss
- Rugged industrial packaging
- Inlet tube adaptor optional; built-in feature allows cooling and cleaning of lens.
- Applications for diffuse, shiny and dark targets in most industries such as electronics, steel, semi-conductors, pulp and paper, and building products

Options and Accessories

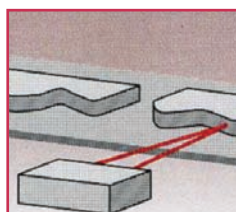
- On-board processor for application software
- Internal air purge system with inlet tube
- 24 VDC power supply unit
- Industrial water cooled jacket and air purge system

Model Number	Measurement Range (MR)	Stand Off (SO)	Offset Distance (OD)	Resolution (Worst Case)	Resolution (Typical)	Linearity Angle at SO	Triangulation at SO	Spot Size	
SLS 6100/500	mm	100	500	450	0.025	0.0025	0.05	28 deg.	0.6
	in.	4	20	18	0.001	0.0001	0.002		0.02
SLS 6250/500	mm	250	500	375	0.063	0.0063	0.13	28 deg.	0.06
	in.	10	20	14.8	0.0025	0.00025	0.0049		0.02
SLS 6375/750	mm	375	750	563	0.094	0.0094	0.19	19 deg.	0.7
	in.	15	30	22.1	0.0037	0.00037	0.0074		0.03
SLS 6375/1000	mm	375	1000	813	0.09	0.009	0.19	14 deg.	1.0
	in.	15	39	32.0	0.0037	0.00037	0.007		0.04
SLS 61000/1250	mm	1000	1250	750	0.250	0.0250	0.50	12 deg.	1.2
	in.	39	49	29.5	0.010	0.0010	0.02		0.05

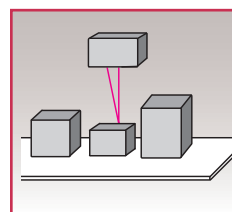
Note 1: Worst Case Resolution - at full bandwidth
 Note 2: Typical Resolution - at 128 sample averaging



Run-out



Contact Height



Height Sorting

E-mail: sales@flwpa.com | www.flwpa.com



Selcom

Technical Specifications Selcom SLS 6000



LASER SOURCE

Laser Class	2, 3B, 3R (IEC)	Enclosure	IP-67 / NEMA 4	
	II, IIIa, IIIb (FDA)	Temperature - operating	°C	0-50
			°F	32-120
Wavelength	Variable Red, Near IR	Temp. stability	% of MR / °C	0.01
Lifetime expectancy	hr	100,000	Relative humidity	%
				<95 non-condensing

ENVIRONMENTAL

ELECTRICAL

Power supply voltage	VDC	18 to 32	Dimensions	mm	376 x 169 x 70
Current draw	mA	<350		in.	14.8 x 6.65 x 2.76
In rush current	A	1 during 50ms	Weight	kg	4.4
Sampling rate	Hz	16,000		lbs.	9.7
Frequency response	Hz	2,000	Cable length	m	2
Detector type		PSD		ft.	6.6

PHYSICAL

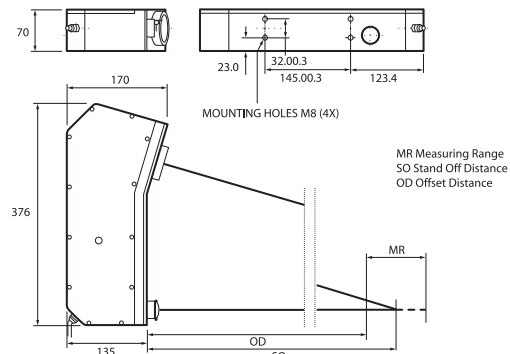
OUTPUT INTERFACES

Interface analog/digital	0-20mA	4-20mA	RS-232-C	RS-422	Selcom (Digital)
Data update rate	16 kHz	16 kHz	≤ 100 Hz	1-16 kHz	16 kHz
Max cable length	m	100	15	100	100
	ft.	328	49	328	328

CONNECTION WIRING AND DIMENSIONS

DSUB 15-pin outputs / IP 65 connector

- 1 Receive Data, RS-232
- 3 Clock, Selcom or RS-422
- 4 Clock-inv, Selcom or RS-422
- 5 Data, Selcom or RS-422
- 6 Data-inv, Selcom or RS-422
- 8 Invalid out-
- 9 Transmit Data, RS-232
- 11 Ground
- 12 Invalid out+
- 13 Analog out (0-20mA, 4-20mA)
- 14 Laser ON (+18 to +32V)
- 15 Power (+18 to +32V)
- 2, 7, 10 NC



These products are covered under one or more of the following patents: United States, 4,305,661; 4,373,804; 4,375,921; 4,875,776; 5,056,922; 5,114,230; 5,164,579; 5,362,970; 5,510,625; 5,670,787; 5,684,292; 5,691,545; 5,734,172; 5,854,491 Canada, 1,307,051; 1,116,750.

1- YEAR LIMITED WARRANTY

The company will replace or, at the company's option, repair any system or parts of a system which are found defective in material or workmanship within one year from the date of shipment. Our obligation with respect to such system or parts shall be limited to repair and replacement, F.O.B: our facilities, and in no event shall the company be liable for incidental, consequential or special damages, or for transportation, installation, adjustment or other expenses which may arise in connection with such system or parts. This warranty is expressly made in lieu of any and all other warranties, expressed or implied, including warranties of merchantability and fitness. No waiver, alteration, or modification of the foregoing warranty shall be valid unless made in writing and signed by an executive of the company.

Contact FLW of PA for LMI Technologies (USA), Inc. technical information and application support

FLW of PA, Inc. | 527 West Lancaster Ave. | Frazer, PA 19355 | Ph: (610) 251-9700 | Fax: (610) 640-4270

E-mail: sales@flwpa.com
www.flwpa.com