


**Options & Accessories**

- On-board processor for application software
- Heat shield and air purge system
- +24 VDC power supply unit
- Smart sensor software inside technology for OEMs

**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 for varying surfaces
- Built-in processor for data averaging and filtering allows for a variety of data and analog outputs
- Fast sampling rate of 16kHz provides information other sensors might miss
- Stand off up to 1250mm
- Rugged industrial packaging
- Internal processor for application software
- Ideal for general purpose applications

**Technical Specification**

Model Number	Measurement Range (MR)	Stand Off (SO)	Offset Distance (OD)	Resolution (Worst Case) Note 1	Resolution (Typical) Note 2	Linearity	Triangulation Angle at SO	Spot Size at SO
SLS 6050/400	mm 50	400	375	0.013	0.0013	0.03	32 deg.	0.5
	in. 2	16	15	0.0005	0.00005	0.001		0.02
SLS 6362/480	mm 362	480	299	0.091	0.0091	0.181	28 deg.	0.6
	in. 14	19	11.8	0.0036	0.00036	0.0071		0.02
SLS 6100/500	mm 100	500	450	0.025	0.0025	0.05	28 deg.	0.6
	in. 4	20	18	0.001	0.00010	0.002		0.02
SLS 6175/500	mm 175	500	413	0.044	0.0044	0.088	28 deg.	0.6
	in. 7	20	16.2	0.0017	0.00017	0.0034		0.02
SLS 6250/500	mm 250	500	375	0.063	0.0063	0.13	28 deg.	0.6
	in. 10	20	14.8	0.0025	0.00025	0.0049		0.02
SLS 6362/500	mm 362	500	319	0.091	0.0091	0.18	28 deg.	0.6
	in. 14	20	12.6	0.0036	0.00036	0.0071		0.02
SLS 6510/600	mm 510	600	345	0.128	0.0128	0.26	23 deg.	0.7
	in. 20	24	13.6	0.005	0.0005	0.01		0.03
SLS 6180/738	mm 180	738	648	0.045	0.0045	0.09	19 deg.	0.7
	in. 7	29	25.5	0.0018	0.00018	0.0035		0.03
SLS 6225/750	mm 225	750	638	0.056	0.0056	0.11	19 deg.	0.7
	in. 9	30	25.1	0.0022	0.00022	0.0044		0.03
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 6525/750	mm 525	750	488	0.13	0.013	0.26	19 deg.	0.8
	in. 21	30	19.2	0.0052	0.00052	0.010		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 6575/1000	mm 575	1000	713	0.144	0.014	0.29	14 deg.	1.0
	in. 23	39	28.1	0.0057	0.00057	0.011		0.04
SLS 6725/1000	mm 725	1000	638	0.181	0.018	0.36	14 deg.	1.0
	in. 29	39	25.1	0.007	0.0007	0.014		0.04
SLS 6300/1250	mm 300	1250	1100	0.075	0.0075	0.15	12 deg.	1.2
	in. 12	49	43.3	0.003	0.0003	0.006		0.05
SLS 6550/1250	mm 550	1250	975	0.14	0.014	0.28	12 deg.	1.2
	in. 22	49	38.4	0.0054	0.00054	0.011		0.05
SLS 6850/1250	mm 850	1250	825	0.213	0.021	0.43	12 deg.	1.2
	in. 33	49	32.5	0.0084	0.00084	0.017		0.05
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
SLS 61100/1250	mm 1100	1250	700	0.28	0.028	0.55	12 deg.	1.2
	in. 43	49	27.6	0.011	0.0011	0.02		0.05

Note 1: Worst Case Resolution - at full bandwidth.

Note 2: Typical Resolution - at 128 sample averaging.