

ΔL DATASHEET

Delta Lasers (Precision Displacement Lasers)							Display
Part Number	ΔL1	ΔL2	ΔL3	ΔL4	ΔL5	ΔL6	ΔDSP
Measurement Range	1.28 ± .49" (32.5 ± 12.5 mm)	3.15 ± .98" (80 ± 25 mm)	4.04 ± 1.08" (102.5 ± 27.5 mm)	12.01 ± 5.71" (305 ± 145 mm)	23.6 ± 15.8" (600 ± 400 mm)	88.6 ± 49.2" (2250 ± 1250 mm)	Depends on laser connected
Resolution	0.0001" / 0.001mm	0.0001" / 0.001mm	0.0001" / 0.001mm	0.001" / 0.01mm	0.001" / 0.01mm	0.01" / 0.1mm	Depends on laser connected
Linearity	:±0.1% of F.S.	:±0.1% of F.S.	:±0.15% of F.S.	:±0.25% of F.S.	:±0.25% of F.S.	:±0.16% of F.S.	
Laser Class	1	2	2	2	2	2	-
Laser Wavelength	Red 655 nm	Red 655 nm	Red 655 nm	Red 655 nm	Red 655 nm	Red 655 nm	-
Laser Spot Major Diameter	≤ 0.035" (0.90 mm)	≤ 0.073" (1.85 mm)	≤ 0.061" (1.55 mm)	≤ 0.067" (1.70 mm)	≤ 0.067" (1.70 mm)	≤ 0.29" (7.30 mm)	-
Max Sampling Rate	0.33ms max						
Averaging	1ms up to 4s intervals						
Materials	Solid Plastic, SS, Glass						
IP Rating	IP67 water and dust resistant						
Avg Life	80,000 working hours						
Environmental temp	-10 to 50 C (14 to 122 ° F)						
Analog Output	e.g. +/- 5V or 4 to 20mA						
Power Consumption	2300mW (≤ 77mA at 30V)						
Voltage Rating	10-30VDC (<i>note: integrated 12V battery pack and wall 100-240 AC to 12VDC Power Supply included</i>)						
Approx Size	23 x 50 x 40 mm (1 x 2 x 1.5")	25 x 40 x 55 mm (1 x 2 x 2")	25 x 50 x 65 mm (1 x 2 x 2.7")	50 x 90 x 82 mm (2 x 3.5 x 3.25")	95 x 40 x 75 mm (3.75 x 1.5 x 3")		
Weight	~2oz	~3oz	~3oz	~5oz	~5oz	~12oz	~20oz

Note about controls

No voltage input for Activate Shift, Stop, Timing, Reset, Judgment, Alarm, etc.

Output: Open Collector Output...Judgment, Alarm triggering

Note about display output wiring

Available raw as wired leads. Otherwise connectors can be added if needed.

