

DATASHEET

| Delta Lasers (Precision Displacement Lasers) | | | | | | | Display |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------|--------------------------------------|--------------------------------------|----------------------------------|---------------------------|
| Part Number | $\Delta L1$ | $\Delta L2$ | $\Delta L3$ | $\Delta L4$ | $\Delta L5$ | $\Delta L6$ | 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 deployed |
| Precision | 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 deployed |
| 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.

