

# LMS Operations Manual

Warning: Laser radiation can harm the eyes if you look directly at the laser beam. Laser products should not be used by children, and should never be pointed at people or animals. You should never look directly into the aperture of any laser product while the laser is in operation.



Step 1) To use the Laser measurement System remove the wire position indicator from the top hole in the Scale Bracket and attach it to the middle position hole near the 0 degree indication mark on the Scale (see photo above).



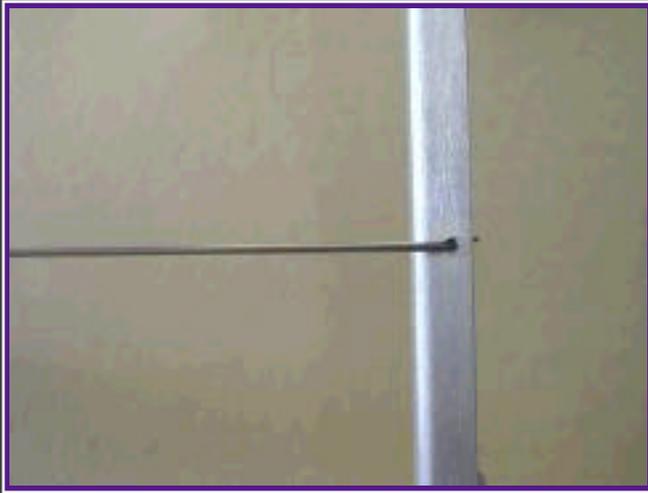
Step 2) Mount the Laser Clip onto the control surface and locate the wire position indicator immediately adjacent to the Laser Clip so that the rubber tip is aligned with the hinge line of the control surface. Plug the Laser Clip into a battery source (4.8v to 7.2v) and select the appropriate light intensity with the slide switch ("Off" for outdoors, "On" for indoors). Turn on the transmitter and airborne R/C system and center the control stick.



Step 3) To ensure maximum accuracy, make sure the Laser Clip is oriented approximately 90 degrees to the control surface hinge line.



Step 4) Loosen the Knob on the back of the Scale Bracket and adjust the vertical position of the Scale Bracket until the Laser Beam is centered on the 0 degree mark.



Step 5) Adjust the attitude/position of the Measurement Stand so that the wire position indicator is perpendicular to the face of the Scale Bracket.



Step 6) Readjust the distance from the hinge line, the height adjustment of the Scale Bracket, and the height adjustment of the adjustable feet until all angles are ~90 degrees, and the Laser beam is positioned on the 0 degree mark. This may take several iterations to complete, but it will ensure the accuracy of the measurement. It is not important that the system be level, only that the specified angles are ~90 degrees.



Step 7) Move the control stick to it's positive and negative position limits and observe the corresponding control surface deflections on the Measurement Scale. In this example the surface deflection is +11.45 degrees.

*This page created by Jerry Budd on a Macintosh using PhotoPage by John A. Vink.*

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