

Laser Knife Edge Reader quick start instructions

Thank you for purchasing the Laser Knife Edge Reader, LKER. This kit includes:

LKER housing	Laser, with batteries. NEVER look into the laser beam.
Test blade	Quick start instructions.

The first step is to insert, align, and secure the laser into the LKER housing.

NOTE: The screws only hold the laser in position; they do not align the laser beam. Be sure to keep the laser beam aligned on the zero line until all 3 screws are tight.

Stand the LKER on end with the top of the scale facing you. The numbers on the scale will be upside down.

Insert the batteries into the laser with the positive end towards the rear, turn laser on, and insert into the laser holder tube.

Hold laser with your index finger on top, and LKER unit between thumb and fingers. Be sure that you can still access all 3 alignment screws without changing your hand position.

1. Center the width of laser beam across red zero line, just below the "0".
2. Tighten the back screw until the beam starts to move. Stop. The screw is now touching the laser.
3. Keeping the beam centered on the red zero line, tighten a second screw until touching the laser.
4. Keeping the beam on the red zero line, tighten the third screw until snug.
5. Release your hand and check that laser beam is still aligned on red zero line. If not, repeat.
6. Lift the LKER by the laser and hold in the air, the laser beam should not move.

Taking your first reading with the Test Blade

1. The test blade will show what the reflection will look like off a sharp edge.
2. The test blade has a double bevel and should generate 2 reflections per side.
3. The primary, larger reflection, will be at about 10 degrees on each side.
4. The secondary, smaller reflection, will be at about 14 degrees on each side.
5. Place test blade into the base of the 2 V slots and center on the red zero line.
6. Locate the reflections on the scale. Read the measurement at the outside edge of the reflection, level with the centered laser dot.

There are color indicators on the scale for reference:

1. RED. Razor sharp at 9 degrees per side, 18 degrees inclusive.
2. YELLOW. Super sharp at 16 degrees per side, 32 degrees inclusive.
3. GREEN. Kitchen sharp at 20 degrees per side, 40 degrees inclusive.
4. BLUE. Utility sharp at 24 degrees per side, 48 degrees inclusive.

For more information and videos, visit www.LaserKnifeEdgeReader.com. This is a product of LIG, LLC a Virginia, USA Corporation, and is warranted against defects in workmanship and material for one year. Contact us at www.LaserKnifeEdgeReader.com.