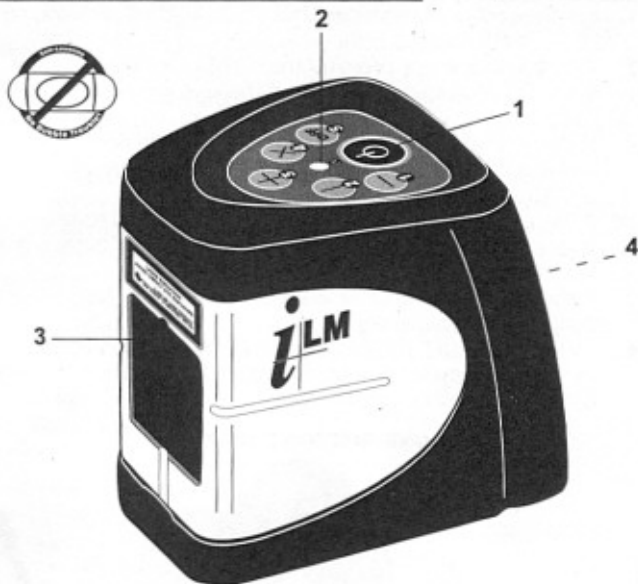


1. FEATURES



Operating Controls:

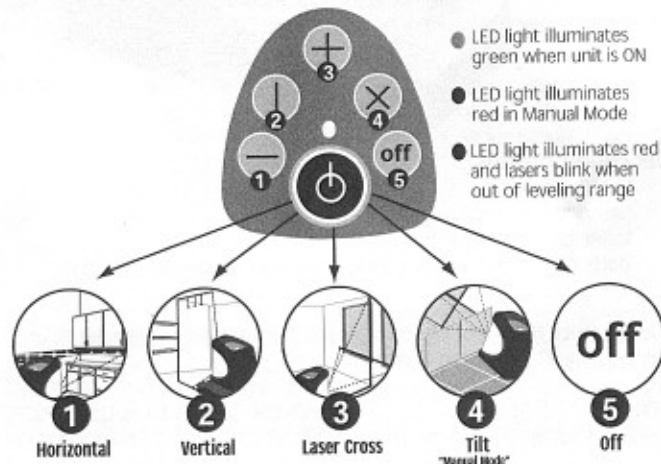
1. POWER button
2. Laser mode indicator (LED)
3. Laser output window
4. Battery compartment (under rubberized sleeve)

- ¥ Heavy Duty magnetically dampened compensator eliminates error by quickly self-leveling the laser.
- ¥ Out-of-leveling range sensor triggers the beams to automatically shut off when the unit is moved out of its $\pm 4^\circ$ self-leveling range.

2. OPERATION

1. Set the unit on a flat, smooth surface. The self-leveling range of the instrument is within approx. $\pm 4^\circ$ in any direction.
2. Turn the unit on by pressing the POWER button. The indicator light should illuminate "green" if the unit is within its leveling range.
If the indicator light illuminates "red" and the laser cross is flashing, the unit is out of its self-leveling range. Position the unit to a more level surface.
- 2a. If the unit appears to be within its self-leveling range and the laser cross continues to blink, be sure the unit contains good batteries.
3. If the unit fails to operate after completion of steps 1-2 above, contact customer service.
4. Turn the unit OFF by pressing the POWER button as many times as it takes to cycle through the various functions before coming to the OFF position.

ONE-BUTTON FUNCTION:



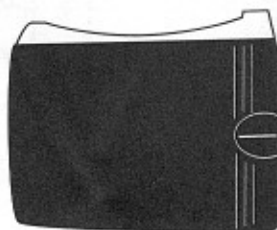
3. POWER

Your ILM will provide approx. 25 hours 1 diode on, 20 hours, 2 diodes on, of intermittent use with three "AA" cell batteries. If your laser emits dim laser beams, replace the batteries. Remove the rubberized sleeve from the housing. Remove the battery cover from the battery compartment. Insert the batteries or replace the used batteries with new ones. Check for correct polarity.

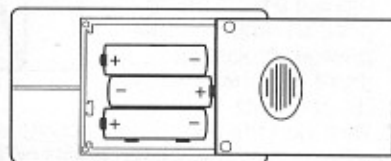
Do not use rechargeable batteries!

Extreme temperatures and the use of batteries with different levels of charge can reduce the operating time of the instrument. Always use batteries with the same power rating and from the same manufacturer.

For disposal of the used batteries, see the section "Environmental Protection".



(Protective rubberized sleeve)



(Battery Compartment Cover)

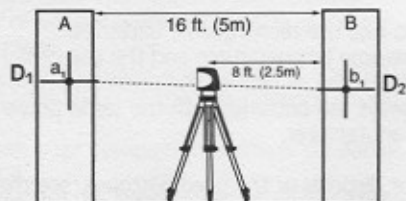
4. ACCURACY CHECK

As with any level reference instrument, we strongly recommend checking the instrument's calibration before initial use; then periodically to ensure proper reference.

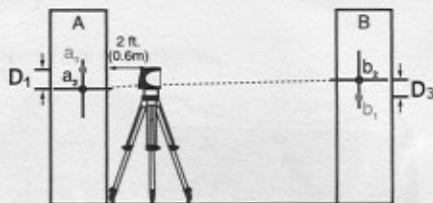
Check the laser ILM, following these steps: (Fig.D)

Fig. D

1. Set the instrument up centered between two walls approximately 16 ft. (5m) apart.
2. Press the POWER button.
3. Project the cross onto both walls by rotating the laser 180° and mark the points where the laser beam hits the wall on each side. (Fig.D, points D1&D2)



4. Move the laser to within 2 ft. (0.6m) of marked D1 and match point D1 repeating the previous procedure (Point D1). This ensures "HI" is correct.



5. Then turn the unit to the opposite wall and determine the height difference of the marked points on one wall (Fig.D, points D2 and D3).
6. If the difference between D2 and D3 is less than 3/32" (3mm), the laser is within its tolerance.

Checking the horizontal line (Fig. E)

1. Set the instrument up approximately 16ft. (5m) from a wall.
2. Press the POWER button.
3. Mark the point where the laser beams intersect and another point (A) along the horizontal laser line 8 ft. (2.5m) away from the first intersection point.
4. Rotate the laser so that the point where the laser beams intersect is projected 16 ft. (5m) away from the first intersection point.
5. The deviation of the horizontal laser beam from the point A may not be greater than 3/32" (3mm).

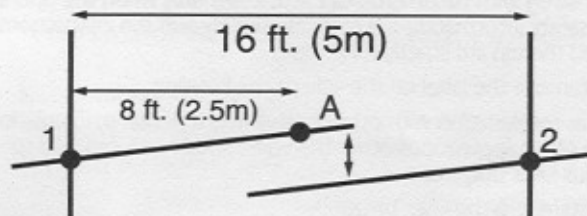


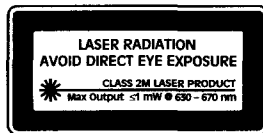
Fig. E

NOTE: Tripod is not essential for checking calibration.

5. CALIBRATION

This unit is factory calibrated and should never need calibration. But if it needs to be calibrated, it must be done by a factory authorized service center. Contact customer service at (815) 432-5237.

6. SAFETY AND CERTIFICATIONS



Complies with 21 CFR 1040.10 and 1040.11
except for deviations pursuant to Laser
Notice No. 50 dated July 26, 2001.

Working safely with this instrument is possible only when the operating and safety information are read completely and the instructions contained therein are strictly followed.

Do not remove the label on the side of the housing.

The use in combination with other optical instruments, manipulations or use in other applications other than described here, can lead to dangerous laser outputs.

Do not stare into the laser beam.

Do not direct the laser beam at other persons. Since the laser beam is of the focused type, check the beam path over a relatively long distance and take the necessary precautions.

This laser complies with all applicable portions of title 21 of the Code of Federal Regulations set by the Dept. of Health, Education, and Welfare, the Food and Drug Administration, the Center for Devices, and the Bureau of Radiological Health.

The ILM has also been tested and complies with the CE certification requirements set forth in the EC regulations 89/336/EEC and EN 61000-6-1 (EN50082-1), EN 61000-6-3 (EN50081-1) and IEC 60-825-1.

7. SPECIFICATIONS

LEVELING ACCURACY: $\pm 1/4$ -in @ 30 feet (6mm at 9m)

LINE LENGTH 60-ft @ 30 feet (18m at 9m)

WORKING RANGE: Up to 32-ft (10m), dependent on illumination of area

FAN ANGLE: 90°

LASER DIODES: ILM 650nm

ILMXL 635nm

POWER: 3 "AA" batteries 1.5 V

COMPENSATOR TYPE: Coaxial(Gravity driven and magnetically dampened)

SELF-LEVELING RANGE: $\pm 4^\circ$

SELF-LEVELING SPEED: ≤ 3 seconds

OUT-OF-LEVEL SENSOR: Yes

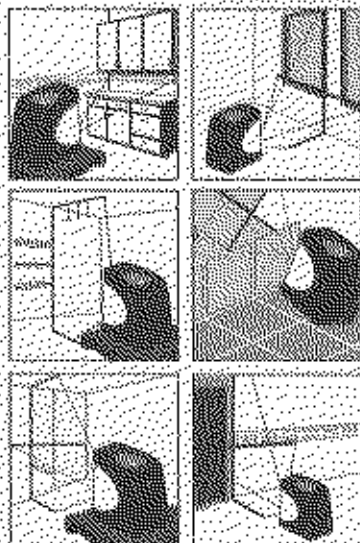
FEATURE: "Manual Mode Feature" allows tilting for extreme angles

WEIGHT (WITH MOUNT): 1.8 lbs. (0.9kg)

WALL/TRIPOD MOUNT: 1/4" X 20 thread

WARRANTY: 1 year

3. APPLICATIONS



- Floor and wall tiles
- Installing closets
- Wallpaper/stencil work
- Interior decoration
- Finish carpentry
- Masonry work
- Wall fixtures, outlets, switches, lighting
- Wall studs, partitions
- Door and window frames
- Cabinets and shelving
- Drop ceilings
- Wandecoting and paneling
- Remodeling projects
- Wall hangings, artwork, photos, collectibles
- Machinery
- Pipe and conduit

4. MAINTENANCE AND CARE

The ILM is not waterproof. Do not allow the unit to get wet. Damage to internal circuits will result.

Do not leave the ILM out in direct sunlight or expose it to high temperatures. The housing and some internal parts are made of plastic and may become deformed at high temperatures.

Do not store the ILM in a cold environment. Moisture will form on interior parts when warming up. The moisture could fog up laser windows and cause corrosion of internal circuit boards.

When working in dusty locations, some dirt will collect on the laser window. Remove any moisture or dirt with a soft, dry cloth. Do not use aggressive cleaning agents or solvents.

Store the ILM in its case when not in use. Remove batteries before storage of the instrument.

10. ENVIRONMENTAL PROTECTION

Recycle raw materials instead of disposing as waste.

The machine, accessories and packaging should be sorted for environmental-friendly recycling.

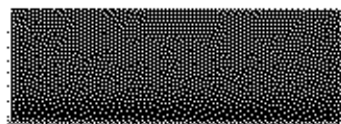
Do not throw used batteries into house waste, fire or water but dispose of in an environmentally friendly manner according to the applicable legal regulations.

11. WARRANTY

This CST/berger Mini Laser Cross Level is warranted to the original purchaser to be free from defects in workmanship and material. CST will repair or replace any defective part which may malfunction under normal and proper use within a period of 1 year from the date of purchase without charge of parts and labor, once shipped and delivered prepaid to CST together with proof of date and place of purchase.

This warranty is not subject to misuse, abuse, assignment, or transfer. The exclusive remedy under any and all warranties and guarantees, expressed or implied, is limited to repair and/or replacement as provided herein and CST shall not be liable for damages from loss or delay of equipment uses, consequential, or incidental damage.

Subject to change without notice



SECRET

SECRET

