

OPERATING MANUAL

PLS360E Laser Level



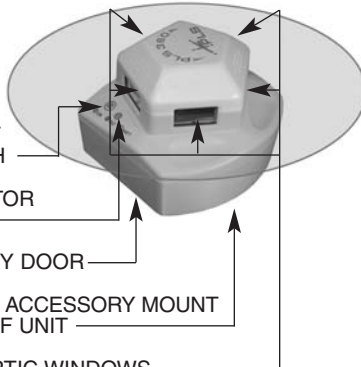
PLS360 SHOWN WITH OPTIONAL DETECTOR

PACIFIC LASER SYSTEMS

The Professional Standard

MADE IN USA

FEATURES

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- A top-down diagram of the PLS360E Laser Level with callout lines pointing to various features. The callouts are: ON/OFF SWITCH, INDICATOR LIGHT, BATTERY DOOR, 1/4 X 20 ACCESSORY MOUNT BASE OF UNIT, and FIVE OPTIC WINDOWS.
- ON/OFF SWITCH
 - INDICATOR LIGHT
 - BATTERY DOOR
 - 1/4 X 20 ACCESSORY MOUNT BASE OF UNIT
 - FIVE OPTIC WINDOWS
 - USES THREE "D" 1.5V ALKALINE BATTERIES
 - INCLUDES:
 - CARRYING CASE
 - WALL BRACKET
 - LASER DETECTOR (OPTIONAL)

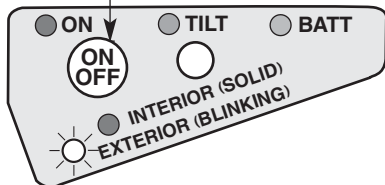
PLS-LD LASER DETECTOR FOR EXTERIOR APPLICATIONS.



Please review the PLS-LD Laser Detector operating manual for use with PLS360E exterior applications.

SWITCH MENU

FIRST PUSH: INTERIOR
SECOND PUSH: EXTERIOR
THIRD PUSH: OFF



INDICATOR FUNCTIONS

GREEN LIGHT: ON
RED LIGHT: EXCEEDS TILT
AMBER LIGHT: BATTERY LOW
SOLID LIGHT: INTERIOR
BLINKING LIGHT: EXTERIOR

WARRANTY

This product is warranted by PLS - Pacific Laser Systems to the original purchaser to be free from defects in material and workmanship under normal use for a period of one year from the date of purchase. During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with the same or similar model at our option), without charge for either parts or labor, through PLS. The purchaser shall bear all shipping, packing and insurance costs. Upon completion of the repair or replacement, the unit will be returned to the customer, freight prepaid. The warranty will not apply to this product if it has been misused, abused or altered. Without limiting the foregoing, battery leakage, dents or gouges to the plastic housing, broken optic windows, damage to the switch/LED membrane are presumed to result from misuse or abuse. Tampering with or removal of the caution or certification labels voids this warranty.

Neither this warranty nor any other warranty, express or implied, including implied warranties of merchantability, shall extend beyond the warranty period. No responsibility is assumed for any incidental or consequential damages. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

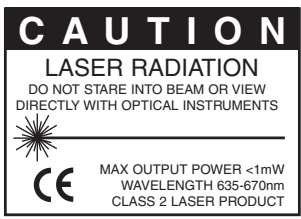
PLS • Pacific Laser Systems
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U.S. PATENT PENDING

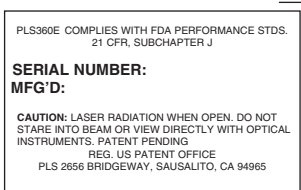
SAFETY LABELING

CAUTION: USE OF CONTROLS, ADJUSTMENTS OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

WARNING LABEL



ID# CERTIFICATION LABEL



PLS360E complies with US FDA standards, 21 CFR, Subchapter J.

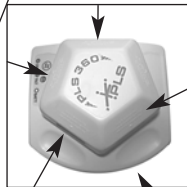
These labels are attached to every PLS laser. These are not to be removed or defaced. Removing/defacing labels voids warranty



BOTTOM VIEW



TOP VIEW



APERTURE LABEL

AVOID EXPOSURE LASER RADIATION EMITTED FROM THIS APERTURE

CHECK LEVEL

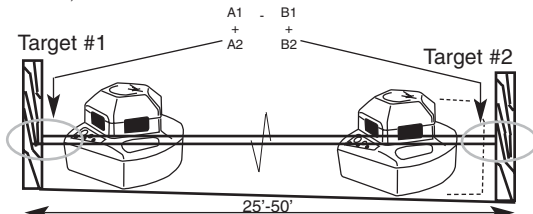
We recommend that you check your PLS360E periodically in order to assure its accuracy.

TO CHECK LEVEL: Choose two walls approximately 25' - 50' apart (illustration below). You can use 2x4s for targets.

Turn on the PLS360E. With the PLS360E six inches away from and facing target #1, carefully mark the center of the line. Label this mark A1. Mark the center of the line on target #2. Label this mark B1.

Move the PLS360E six inches away from target #2. Carefully mark the center of the line. Label this mark B2. Mark the center of the line on target #1. Label this mark A2.

Now measure the distance between A1 and A2, B1 and B2. If the distances are the same, the laser is in calibration. If the difference between the two sets of marks is greater than 1/16" @ 25', or 1/8" @ 50', the laser is out of calibration.



It is also necessary to check each of the five beams for level. Place the PLS360E at least 25' away from a "target" wall. Position the laser so that the window facing the target wall is parallel with the target wall. Mark the center of the laser line. Rotate the laser so that each of the remaining four windows is parallel with the target wall. Each laser line should be within 1/32" of your initial mark at 25'.

WALL



SPECIFICATIONS

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Light source:	Semiconductor laser diode 630-650 nm, visible
Working range:	+/- 200 feet
Accuracy:	<1/8" @ 100 feet (<3mm @ 30 meters)
Leveling:	Automatic
Leveling range:	+/- 8°
Power supply:	3 "D" batteries alkaline
Operating time:	+35 hours continuous
Operating temp:	0° F to 120° F (-18° C to 49° C)
Storage temp:	0° F to 120° F (-18° C to 49° C)
Indicator:	Green light: ON Red light: EXCEEDS TILT Amber light: BATTERY LOW Solid Light: INTERIOR Blinking Light: EXTERIOR
Environment:	Water resistant; not submersible
Dimensions:	5" x 4-5/8" x 3-3/4"
Weight:	1lb. 15oz.(including batteries)



PLS LAB TECHNICIANS



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