

# PLS FT 90

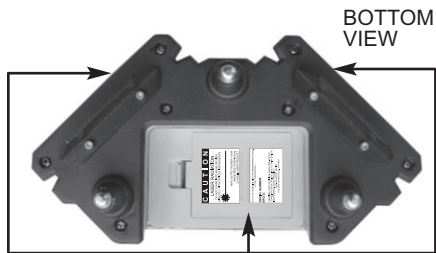
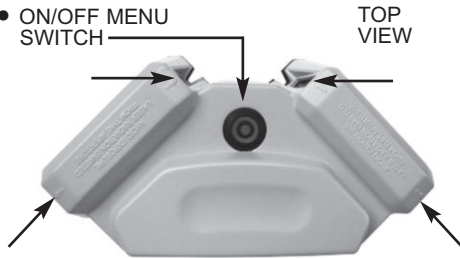


**PACIFIC LASER SYSTEMS**

The Professional Standard

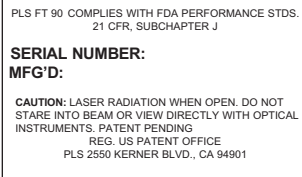
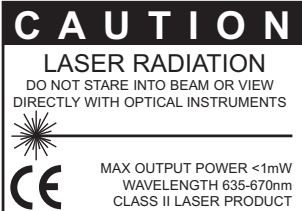
## FEATURES

- ON/OFF MENU SWITCH
- OPTIC WINDOWS (4)
- TILE GUARD
- BATTERY DOOR
- REFLECTIVE FLOOR TARGETS (2)



## SAFETY LABELING

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



PLS FT 90 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.

PLS • 2550 KERNER BLVD., SAN RAFAEL, CA 94901  
 800 601 4500

### BOTTOM VIEW



AVOID EXPOSURE LASER RADIATION EMITTED FROM THIS APERTURE



## CHECK SQUARE

CHECKING THE PLS FT 90 ON THE JOBSITE USING PYTHAGORAS 3-4-5 TRIANGLE:

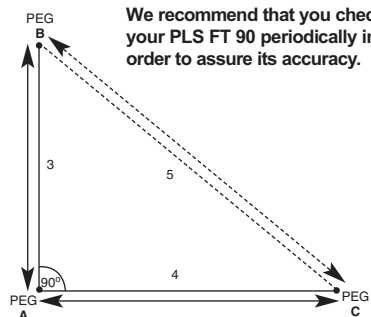
Set up over the center of PEG (A) using the FT90 Intersection Point.

Using one of the 90 degree beams, put PEG (B) in the ground at an exact distance of 3 FT (0.91M) from PEG (A).

Using the other 90 degree beam, put PEG (C) in the ground at an exact distance of 4 FT (1.22M) from PEG (A).

Now measure with a tape diagonally from PEG (B) to PEG (C). The distance should be 5 FT (1.52M).

**Not recommended for plumb reference on walls. Lines that project on wall cannot be assumed plumb from floor.**



## 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.



## SPECIFICATIONS

|                  |  |
|------------------|--|
| Light source:    | Semiconductor laser diode<br>635-670 nm, visible                 |
| Working range:   | +/- 65 feet (+/- 20 meters)                                      |
| Square Accuracy: | +/- 1/16 inch @ 20 feet<br>(+/- 2 mm @ 6 meters)                 |
| Leveling:        | fixed base - not self leveling                                   |
| Power supply:    | 3AA batteries,<br>alkaline or rechargeable                       |
| Operating time:  | 10 hours continuous use  |
| Operating temp:  | 32° F to 123° F<br>(-10° C to +51° C)                            |
| Storage temp:    | -4 F to +158° F<br>(-20° C to +70° C)                            |
| Environment:     | IP 54 water resistant; not submersible                           |
| Dimensions:      | 8 inches x 2-3/8 inches x 2-3/4 inches<br>(20.3 cm x 6cm x 7 cm) |
| Weight:          | 2.4 lbs.(1.09kg)   |

