

# ACCULINE<sup>®</sup>

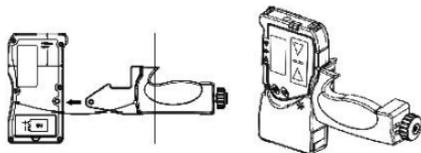
LASER LEVELS

## PRO<sup>®</sup>

### Two-Sided Laser Detector with Clamp Model No. 40-6780

## Instruction Manual

*This product features a high sensitivity, a double-faced display, low power consumption, and good reliability. It can be used with the Acculine Pro<sup>®</sup> 40-6662 and 40-6602 laser levels.*

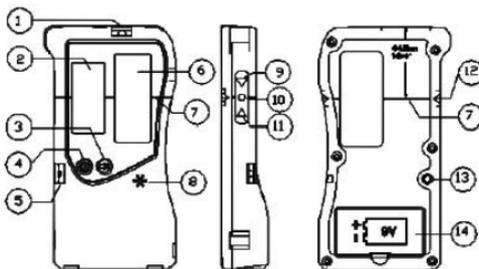


### 1. Technical Specifications

Detecting Range:	Up to 300' (90m)
Detecting Accuracy:	0.019" ≤ 50 ft. (0.5mm ≤ 15m) 0.039" ≤ 100 ft. (1mm ≤ 35m) 0.059" ≥ 100 ft. (1.5mm ≥ 35m)
Automatic Shut-off:	6 minutes
Power Supply:	9V battery
Sound Indicator:	fast tone, double tone and solid tone
LCD:	Up arrow, Down arrow, Center sign
LED Indication:	Up, Middle, Down
Dimensions:	5.905" x 2.992" x 1.142" (150 x 76 x 29mm)
Weight:	0.386 lb. (0.175kg)
Others:	Rain and dust resistant

## 2. Components

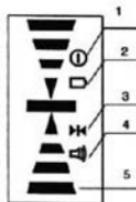
With this laser detector, a line generated pulsed Acculine Pro Laser can be used both indoors with bright light and/or outdoors in the sunlight where the beams are not visible.



- |                        |                            |
|------------------------|----------------------------|
| 1. Horizontal Vial     | 8. Beeper                  |
| 2. Reception Window    | 9. Top Indicator Light     |
| 3. Sound On/Off Key    | 10. Middle Indicator Light |
| 4. Power On/Off Key    | 11. Bottom Indicator Light |
| 5. Vertical Vial       | 12. Rear On Grade Mark     |
| 6. Display Window      | 13. Rod Bracket Thread     |
| 7. Front On Grade Mark | 14. Battery Door           |

### Display Window Symbols

- Power On
- Low Voltage
- Coarse/Fine
- Sound On
- Position Indication Arrows



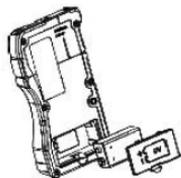
### 3. Operation Instructions

#### 1. Battery Installation

Open the battery door, and put in one 9V battery according to the polarity shown inside. Then snap the battery door back.

#### Note:

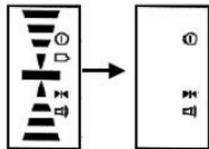
- Remove the battery when the unit is being stored for a long time.
- Replace the battery when the low voltage indicator shows a low battery.



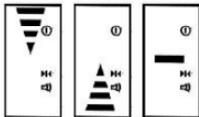
#### 2. Operating Instructions

**IMPORTANT:** This detector will only work when the laser is in the pulse mode.

**A. Press the Power on/off key:** The detector will beep twice and all the symbols will be displayed on the display window. After 0.5 seconds the detector will enter its detecting mode.

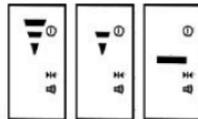


**B. Detecting the horizontal laser signal:** Put the detector in a vertical position and center the bubble in the horizontal vial with the reception window facing the laser. A down arrow shown on the display window and a lit red light indicates the laser signal is below the detectors on grade



mark. An up arrow plus a yellow lit light indicates the laser signal is above the detectors on grade mark. A middle sign plus a lit green light indicates the laser signal is on grade.

**Note:** When the laser signal moves towards the center position, the displayed up or down arrows will decrease in size, until the center single line appears.



**C. Detecting the vertical laser signal:** Put the detector in a horizontal position (center the bubble in the horizontal vial) with the reception window and indicator lights facing up. Have the reception window face the unit to receive the vertical laser signal. Left arrow shown on LCD plus a lit red light indicates the laser signal is on the left side of center.

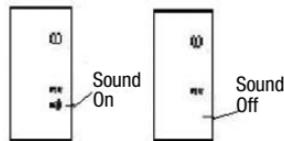


A middle sign with a lit green light indicates the laser signal is on the middle position. A right arrow plus a lit yellow light indicates the laser signal is on the right side of center.

D. Press the Power on/off key to power off the detector. The detector will beep twice for off.

### 3. Sound Function

Pressing the sound key when the unit is powered-on. This will switch the unit between sound on and sound off, note the sound sign indication on LCD.



**Sound function on:**

- If the laser signal is on the top (left) side, then the detector will give a fast tone.
- If the laser signal is on the bottom (right) side, then the detector will give a double tone.
- If the laser signal is on the middle, then the detector will have a solid tone.

**4. Automatic Shut-Off Function**

When not receiving a laser signal and with no operation of the keys for six continuous minutes, the unit will power off automatically to preserve battery life.

**5. Low Battery Indicator Function**

- When the power indicator sign is blinking, it indicates that the battery is low and should be replaced.
- A very low battery will result in an automatic power-off, which requires the user to replace before continued operation.

