TruSpeed® S Series
Quick Reference
Field Guide

TruSpeed® Models: S, Sx, Sx + Bluetooth®

LTI Part #0144887
LTI Technical Support:
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Monday through Friday
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LTI Corporate Headquarters:
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TruSpeed® S Display:

- Aim Point
- Laser Firing Indicator
- Filter
- Battery Life Indicator
- Speed Mode
- Weather Mode
- Continuous Mode
- Test Mode
- Survey Mode
- Device Information
- MPH - Miles Per Hour
- km/h - Kilometers Per Hour
- ° - Degree of Inclination
- Feet
- Yards
- Meters

Upper and Lower Main Display
**Ideal Position for Speed Enforcement:**

For true speed measurements, set up as close to the road as possible without creating safety risks. Always aim towards license plate.

<table>
<thead>
<tr>
<th>Shooting to Vehicle</th>
<th>Off from the Road</th>
</tr>
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<tbody>
<tr>
<td>100 ft</td>
<td>10 ft</td>
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<tr>
<td>250 ft</td>
<td>25 ft</td>
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<tr>
<td>500 ft</td>
<td>50 ft</td>
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<tr>
<td>1000 ft</td>
<td>100 ft</td>
</tr>
<tr>
<td>2000 ft</td>
<td>200 ft</td>
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</tbody>
</table>

To minimize the cosine effect, keep the angle between you and the vehicle at 10 degrees or less.

**Turn On/Off Laser:**

To turn laser on, press ( ). You will hear three low-pitched beeps and one high-pitched beep. To turn laser off, press and simultaneously.

**Perform Self-Test:**

When laser is off, press ( ). You will see all these scope displays flash automatically, confirming the laser passes.
Perform Self-Test Manually:

[1] Press \( \text{MODE} \) until \( \checkmark \text{SELF} \). [2] Press \( \text{FIRE} \) \( \text{PASS} \). Pass in the display indicates everything is good; otherwise an error code will appear.

[3] Press \( \checkmark \) to return to Speed Mode.

Perform Scope Alignment Test:

[1] Press \( \text{MODE} \) until \( \checkmark - \ell \ell - \). [2] Aim at the top of a target shaped like a light pole with open sky behind it. [3] Press and hold \( \text{FIRE} \) then move the laser, first up and down, then left and right, over the target while listening to the change in audible pitch. The pitch should be higher when \( \ell \ell \) is positioned on the target.

Perform Fixed-Distance, Zero-Velocity Test:

[1] Stand at least 50 ft away from a known target \( \ell \ell \ell \). [2] Aim at the target and press \( \text{FIRE} \) \( 0 \text{ MPH} \). Distance displayed should be +/- 6” of actual.
Perform Delta Distance Test (USA only):

[1] Stand where you can see two targets with a known distance between them.

[2] Press until $(\sqrt{-d_1 - \text{MPH}})$. Then press $(1750^\circ)$.

[3] Aim at the farther target, then press $(1750^\circ)$. Then press $(\sqrt{-d_1 - \text{MPH}})$.

[4] Press $(\sqrt{-d_2 - \text{MPH}})$ then aim at the closer target and press $(1500^\circ)$. Then press $(\sqrt{-d_2 - \text{MPH}})$.

[5] Press $(\sqrt{50 \text{MPH}})$. The distance value should be +/- 6” of actual. The simulated speed value should be two times the distance value. (Accuracy = +/- 1 mph.)

Measure Speed:

Aim at moving vehicle $(\text{MPH})$ then press $(\text{MPH})$. While laser is acquiring speed, you’ll hear a low-pitched growl $(\text{MPH})$. When laser acquires the speed, a high-pitched double-beep will sound $(\text{MPH})$. 
Edit Speed Limit (Intl. only):

1. Press \[ \text{MODE} \] until \( 0 \text{ km/h} \).
2. Press \[ \text{FIRE} \] \( 0 \text{ km/h} \).

3. Press \( \uparrow \) until desired speed value displays in the ones’ place \( 5 \text{ km/h} \).
4. Press \( \checkmark \) until desired speed value displays in the tens’ place \( 75 \text{ km/h} \).

5. Press \[ \text{FIRE} \] to set speed limit.
6. Press \( \checkmark \) to return to Speed Mode with speed limit set \( \text{SPdLm} \).

Toggle On/Off Weather Filter and Continuous Mode:

For Continuous Mode, press \( \checkmark \) until \( \text{SPdLm} \), then press \[ \text{FIRE} \].

For Weather Filter Mode, press \( \checkmark \) until \( \text{MPH} \), then press \[ \text{FIRE} \].

For Weather Filter and Continuous Mode, press \( \checkmark \) until \( \text{MPH} \), then press \[ \text{FIRE} \]. No icons showing in upper right indicates all options are toggled off.
Adjust Scope Display Brightness:
Press (br03) repeatedly until desired brightness level is reached.

About Mapping:
Measured by TruSpeed Sx: Calculated by TruSpeed Sx:

= Horizontal Distance (HD) = Vertical Distance (VD)
= Slope Distance (SD) = Inclination (INC)

Toggle On Electronic Filter Mode:
Take Measurement in Survey Mode (Sx and Sx + BT):


Toggle Off Filter Mode:

Helpful Tips:

[1] To save on battery power, only toggle on Bluetooth when needed. [2] When it’s raining or snowing, be sure to toggle on the Weather Mode. [3] If there is no activity for 30 seconds, the in-scope display will automatically power down to the lowest brightness level. Simply press to return to last reading/setting.