

● TruSpeed® S Series Quick Reference Field Guide

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

 **LASER**
TECHNOLOGY
Measurably Superior®

LTI Part #0144887

LTI Technical Support:

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LTI Hours of Operation:

Monday through Friday

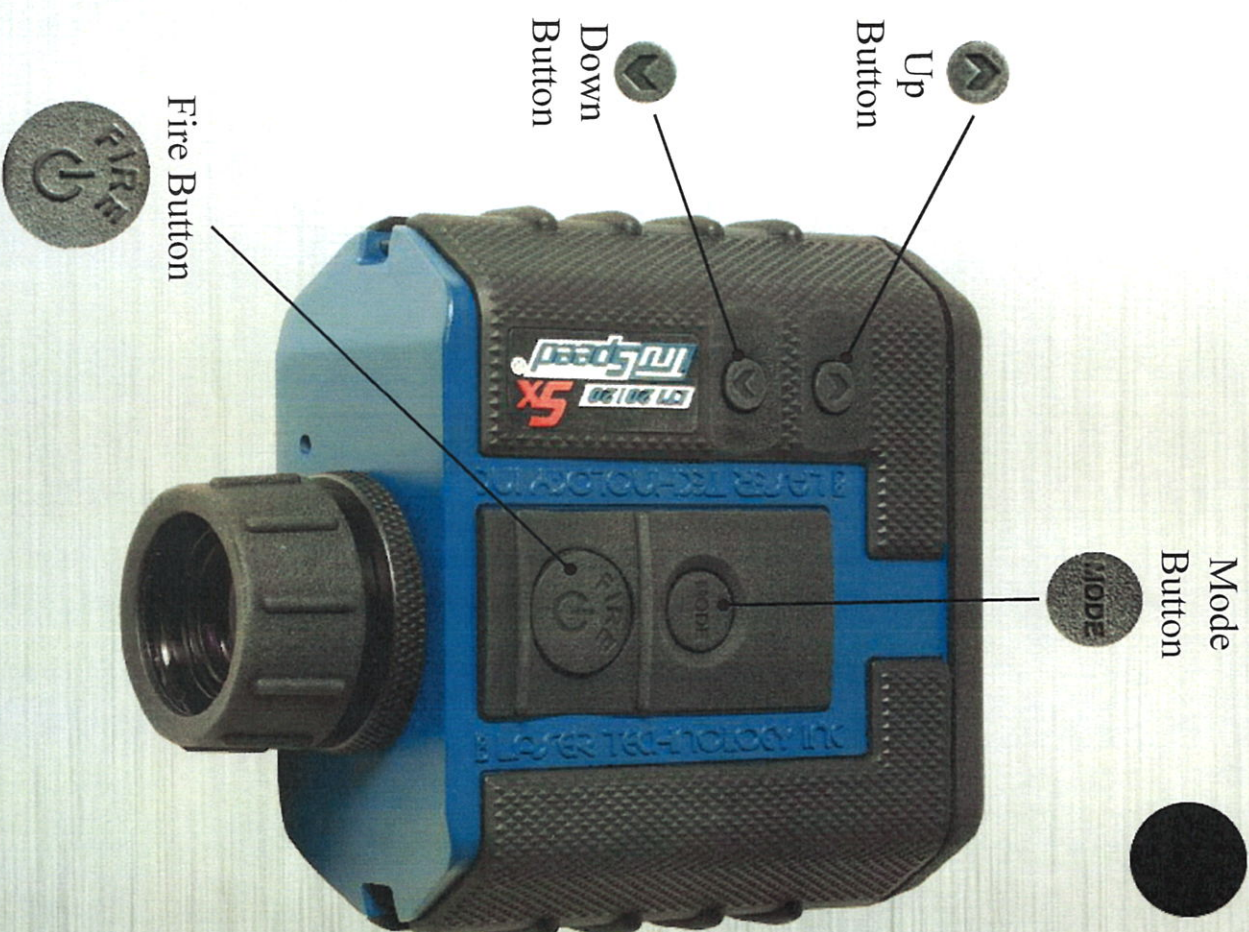
8:00 am to 5:00 pm (MST)

(Excluding Holidays)

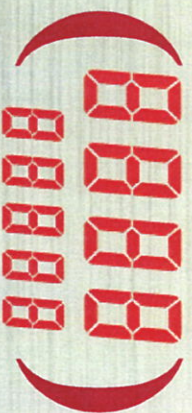
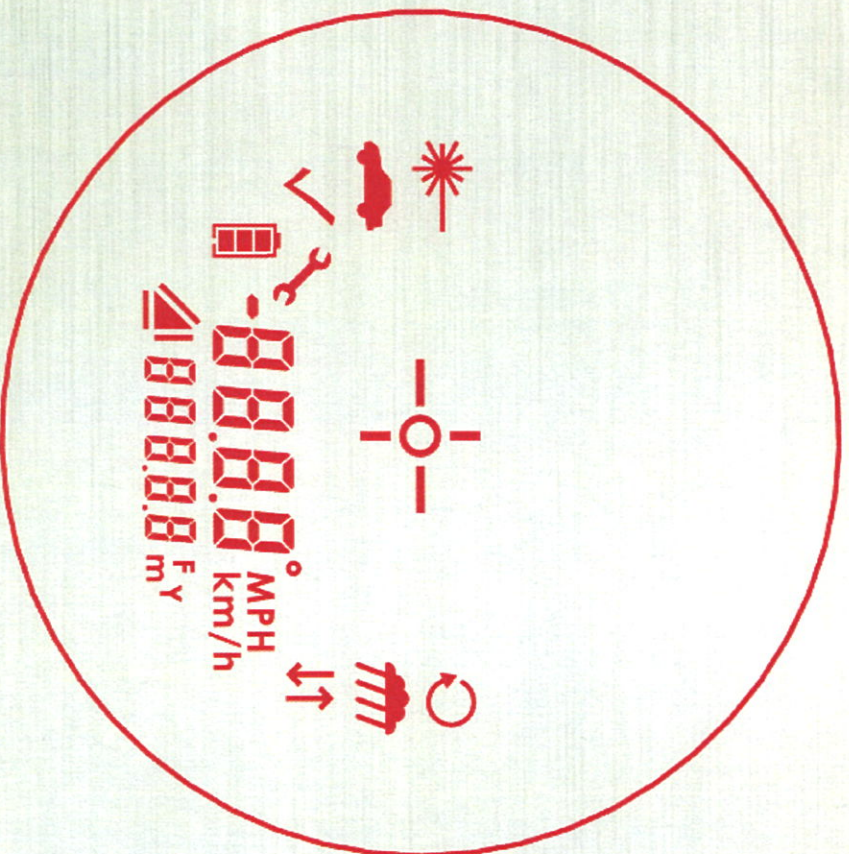
LTI Corporate Headquarters:

6912 South Quentin Street

Centennial, CO 80112 USA



TruSpeed® S Display:



Upper and Lower
Main Display



Aim Point



Laser Firing
Indicator



Filter



Battery Life
Indicator

MPH

Miles Per Hour

km/h

Kilometers
Per Hour



Degree of
Inclination



Speed Mode



Weather Mode



Continuous
Mode



Test Mode



Survey Mode



Device
Information

F

Feet

Y

Yards

m

Meters

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.

Shooting to Vehicle	Off from the Road
100 ft	10 ft
250 ft	25 ft
500 ft	50 ft
1000 ft	100 ft
2000 ft	200 ft

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

Turn On/Off Laser:

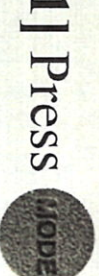
To turn laser on, press  (). You will hear three low-pitched beeps and one high-pitched beep. To turn laser off, press  and  simultaneously.

Perform Self-Test:

When laser is off, press  ( -88.8.8.8 MPH km/h ) (PASS) () ().

You will see all these scope displays flash automatically, confirming the laser passes.

Perform Self-Test Manually:

● [1] Press  until . [2] Press  . Pass in the display indicates everything is good; otherwise an error code will appear.

[3] Press  to return to Speed Mode.

Perform Scope Alignment Test:

[1] Press  until  . [2] Aim at the top of a target shaped like a light pole with open sky behind it. [3] Press and hold  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  is positioned on the target.

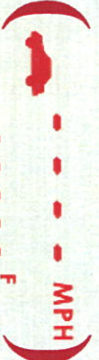
Perform Fixed-Distance, Zero-Velocity Test:

[1] Stand at least 50 ft away from a known target  . [2] Aim at the target and press    . 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 .
- [3] Aim at the farther target, then press  .
- [4] Press   then aim at the closer target and press  .
- [5] Press  . 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  then press . While laser is acquiring speed, you'll hear a low-pitched growl . When laser acquires the speed, a high-pitched double-beep will sound .

Edit Speed Limit (Intl. only):

- [1] Press , until  **0** km/h). [2] Press ,  **0** km/h).
- [3] Press  until desired speed value displays in the ones' place  **5** km/h).
- [4] Press  until desired speed value displays in the tens' place  **75** km/h).
- [5] Press  to set speed limit. [6] Press  to return to Speed Mode with speed limit set  **50** km/h).

Toggle On/Off Weather Filter and Continuous Mode:

- For Continuous Mode, press  until  **---** MPH , then press .
- For Weather Filter Mode, press  until  **---** MPH , then press .
- For Weather Filter and Continuous Mode, press  until  **---** MPH , then press .

. No icons showing in upper right indicates all options are toggled off.

Adjust Scope Display Brightness:

Press  (**br 03**) repeatedly until desired brightness level is reached.

About Mapping:

Measured by TruSpeed Sx:



Calculated by TruSpeed Sx:



= Horizontal Distance (HD)



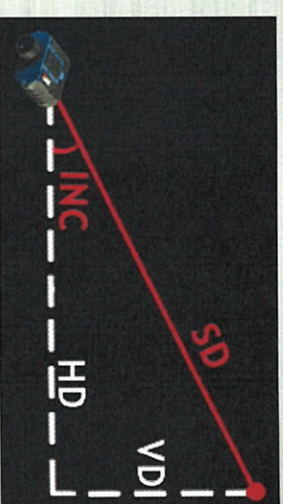
= Vertical Distance (VD)



= Slope Distance (SD)



= Inclination (INC)



Toggle On Electronic Filter Mode:

- [1] While in Speed Mode, press  until (**off**). [2] Press  (**on**). [3] Press  to confirm selection (**MPH**). [4] Press  to toggle on Survey Mode with electronic filter on (**°**).

Take Measurement in Survey Mode (Sx and Sx + BT):

- [1] To toggle on Survey Mode, press  until . [2] Aim at target and press . Note: The typical measurement value desired is HD. Top display is the INC value. [3] To view VD value, press  .
- [4] To view SD value, press  . [5] To circle back and view HD value, press  .

Toggle Off Filter Mode:

- [1] While in Survey Mode, press  until . [2] Press  .
- [3] Press  to confirm selection . [4] Press  to return to Survey Mode with the electronic filter off .

Toggle On/Off Bluetooth® (Sx + BT model only):

Bluetooth is turned ON from the factory. To turn it OFF: [1] Press  until

. [2] Press  until , then press  to confirm selection

. To turn Bluetooth back ON: [1] Press  until .

[2] Press  until , then press  to confirm selection .

(NOTE: Bluetooth with a TruAngle  has been reserved for future use.)

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.