



TIS LD40





TIS LD40

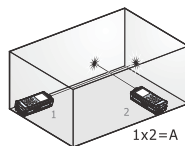
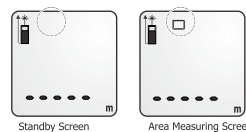
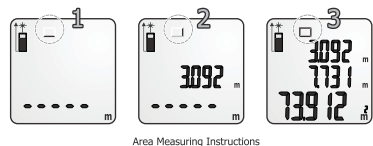
TIS LD40 Instruction Manual

TIS LD40 Instruction Manual

Measuring Function




a. Area Measurement

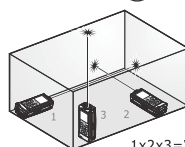
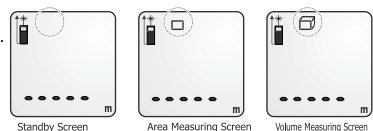
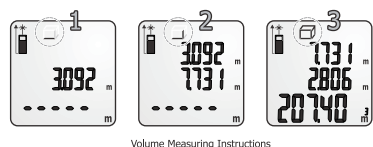
- Please press  once for enabling Area measuring.
- Laser will be activated when entering Area measuring
- Follow the instructions on main screen to measure width and length.
- Once you finish all instructions, Area is shown on screen.
- To change display unit, press .


$$1 \times 2 = A$$


Area Measuring Instructions




b. Volume Measurement

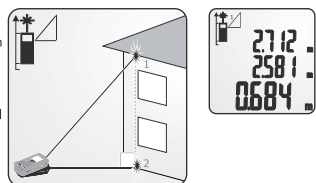
- Press  twice to enter volume measuring.
- Press  to enable laser beam.
- Follow the instructions on main screen to measure width, length and height.
- Once you finish all instructions, volume is showed on screen.
- To change display unit, press .


$$1 \times 2 \times 3 = V$$


Volume Measuring Instructions


c. Indirect Measurement

- Press  to enter Indirect measuring.
- **All** the calculation is based on Pythagorean theorem ($a^2 + b^2 = c^2$) to measure height indirectly.
- Press  to enable laser beam and follow the instructions on screen  to get slant range, horizon range then the height will be display on screen.



First Press for Single Pythagoras

Back-Light switch & Laser pointer switch

- To Enable and Disable back-light for the unit, press 



Continuously display
for indicating Laser
Pointer is activated



Error Code

Code	Description	Solution
Err01	Out of measuring range	Measure in a proper range
Err02	Reflected signal is too weak	Select a better surface
Err03	Out of display range (max value: 99999), e.g.: result of area or dimension is out of display range.	Divide calculation into intermediate steps
Err04	Pythagorean calculation error	Check and verify values and steps are correct
Err05	Low Battery	Install a new battery
Err06	Out of working temperature	Measure in an environment within specified working temperature
Err07	Ambient light is too strong	Measure in a darker place (shadow target)

Service Support Warranty

Please contact your local dealer for further assistance, thank you.



Next generation has arrived, Yet a new Benchmark

QUICK & SIMPLE MEASURING RIGHT IN YOUR HANDS



SX10 Whole new engine,
Faster, Better, no Doubt !!

TIS LD40 0.05m~40m

Laser Distance Meter

Operation Manual

Read carefully before use



TIS LD40



TIS LD40



TIS LD40



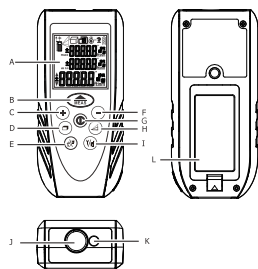
TIS LD40



Cataloge

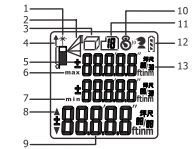
- Before Start Using.....1
- Change of Battery
- Overview for TIS LD402
- Overview for Screen
- Specification
- All Accessories
- Turn on.....3
- Measuring Distance
- Add your measures
- Subtract your measures
- Dyna-Measuring (Continuous Measuring).....4
- Measuring reference
- Unit of Measuring
- Unit Switch Reference
- Measuring Function.....5
- Volume Measurement
- Indirect Measurement
- Back-Light switch & Laser pointer switch.....6
- Error Code
- Service Support Warranty

Overview for TIS LD40



- A. LCD
- B. Measure / Dyna-Measure
- C. Add
- D. Measure Function
- E. Countdown Measument / Back-Light
- F. Subtract
- G. Power Button / Clear
- H. Pythagoras
- I. Setting (Unit / Laser Pointer) / Reference Switch
- J. Receive Window
- K. Laser Emitting Window
- L. Battery Cover

Overview for Screen



- 1. Laser Indicator
- 2. Indirect Measuring
- 3. Single Pythagoras
- 4. Summary of two Pythagoras
- 5. Measuring Function
- 6. Area Measuring
- 7. Volume Measuring
- 8. Measuring Reference
- 9. Add and Subtract
- 10. Maximum display
- 11. Minimum display
- 12. Stakes Direction Indicator
- 13. Main Screen and units
- 14. Countdown Measuring
- 15. Memories
- 16. Battery Status
- 17. Sub-Screen and units

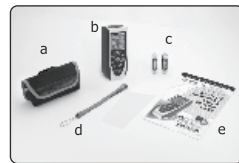
Specification

Measure Range*	0.05M~40M
Resolution	0.001M
Accuracy*	±1.5mm
Measure Speed*	0.5 sec.
Laser Type	650 nm, Class 2, <1mW
Beam Size	25mm@30M
Battery	2 x AA Battery
Battery Life	Up to 10,000 measures
Dimension	120mm X 55mm X 32mm
Operation Temperature	-5°C~40°C
Storage Temperature	-20°C~60°C
Automatic switch-off	
-Laser	30 seconds
-Device	180 seconds

*The working range and accuracy depend on how well the energy of laser is reflected from surface (mostly comes from scattered light) and the target reflectivity. The brightness of laser point to ambient light intensity or use a target plate (Kodak White) may helps for increasing the working range and the stability of accuracy.
*In favorable condition, accuracy could be in ±1.5 mm(2.σ) and a deviation influence of ±0.25mm/m must be taken into count after ten meters.
*In unfavorable condition, such as bright sunlight, rough surface, very short distance, or a poor and extra strong reflected signal may cause the deviation reach or over ±10mm and also may bring an ambiguous cycle which may lead the measures to an unexpected result.

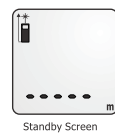
All Accessories

- a. Carrying case
- b. TIS LD40
- c. AA Batteries
- d. Safety Strap
- e. Operation manual



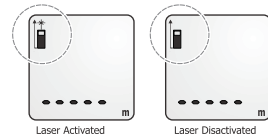
Turn on your TIS LD40

- Before starting, please make sure battery is installed properly. For installing method, please read page 1.
- Press once to activate.
- Initial screen will flash seconds for checking status.
- After checking, standby screen will be displayed.



Measuring Distance

- CAUTION!
Laser will be emitted upon when you turn on.
Check icon on the upper-left corner to check if laser is emitted.



- If the laser is not activated, press to enable laser.
- Then, move the laser dot of the unit onto your target, try to keep the dot on the target.
- Press to activate measure.
- The whole measure will be finished when a beep is heard or measured result appears on the main screen.
- Laser will be turned off after measuring.



Add your measures

- calculating the summary of measurements are simple only with few buttons.
- Once you have your first measurements, press to save into memory (temporary saved)
- Then find your next desired distance, once you find it, press again.
- The summary will display in main screen and you could see what you have added.



Subtract your measures

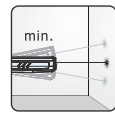
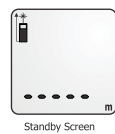
- Calculating the different measurements is simple.
- Once you have your first measurements, press to save into memory (temporary saved)
- Then find your desired distance, once you find it, press again.
- The result will display in main screen and you can see what you had subtract.



NOTICE: Be sure to add and subtract in same unit

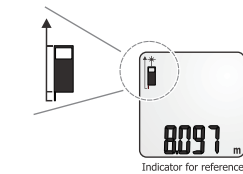
Dyna-Measuring (Continuous Measuring)

- To activate Dyna Measuring (continuous measure), hold then it will jump to Dyna Measuring mode.
- When entering Dyna Measuring mode, laser beam will be also activated
- To pause, please press or
- Maximum and Minimum value will be displayed on screen
- To quit Dyna Measuring to go back to normal mode, press



Measuring reference

- By default, reference is set at rear.
- Unit has three reference: front, Tripod thread, and rear.
- To change reference, press , each press will take effect.
Changing sequence is Front → Tripod thread → and rear.



Unit of Measuring

- To change unit of measuring, press .
Unit will be switched by each hold.



Unit Switch Reference

	meter	feet	inch	0'0" 1/32	inch	尺
Length	m	ft	in	0'0" 1/32	in	尺
Area	m ²	ft ²	ft ²	ft ²	ft ²	坪/尺 ²
Volume	m ³	ft ³	ft ³	ft ³	ft ³	m ³