

Product Guide











Topcon laser tools are designed to provide professional contractors reliable layout reference for increased jobsite productivity and profit. Please read the Topcon operating manual for instructions on how to optimise the use of your instrument and how to verify calibration on a Topcon laser.

Purchasing from an Authorised Australian Reseller

For customers in Australia,
Topcon strongly recommends
purchase of a Topcon laser from
an Authorised Australian Reseller.
Topcon cautions all customers
not to expect a laser purchased
outside Australia to be covered
under warranty by an Australian
reseller. No Topcon reseller is
obligated to service a Topcon
laser under warranty if purchased
outside their own country.

Servicing your Topcon laser

Topcon recommends that customers get a six-monthly service and calibration for Topcon lasers to ensure that the instrument is working at optimal accuracy.

To arrange for your instrument to be serviced and calibrated, please contact your nearest Authorised Australian Reseller or call 1300 96 LASER. To find your closest reseller, visit **topconlaser. com.au/where-to-buy**

Warranty

Topcon offers a five-year limited warranty from the date of purchase for new laser tools and auto levels. For Topcon theodolites, warranty is two years from date of purchase and one year from date of purchase for machine-mount receivers and handheld receivers. Warranty is valid from date of sale to the original end user.

Warranty does not cover damage from the tool being dropped or abused. See the operating manual for additional terms & conditions. Please ensure you keep a copy of your receipt and / or proof of purchase to assist with any warranty claims.

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SCAN ME TO ACTIVATE WARRANTY

Register your product online!

topconlaser.com.au/activate-warranty

- → Keep track of the warranty of your Topcon product
- → Keep up-to-date with the latest product releases
- → Receive service & calibration reminders



Topcon RL-H5B

Dry Battery Standard

CODE: 1021200-31



Dry Battery Premium

CODE: 1021200-32





Meet the RL-H5A's Little Brother

Topcon RL-H5B is the perfect laser for all your horizontal general construction applications, hit the power button and get to work in seconds!

Attach the laser receiver to a staff and you have fast, accurate elevation checking. RL-H5B, the new standard in affordable construction laser versatility!

EAL FOR

- √ Site preparation
 - о р. ора. а а. о. .
- ✓ Concrete
- Earthworks
- √ Drainage

1. GENERAL CONSTRUCTION

Features:

- 5-year Topcon warranty
- Long-range operation (400m)
- Construction tough build with dual handles and IP66 water-resistant \rightarrow housing
- LS-80L long-distance laser receiver
- → Automatic self-levelling ± 5°
- → 100 hrs. operating time with D Cell Battery option
- Horizontal only rotating laser \rightarrow

Premium Option with LS-100D digital receiver







SPECIFICATIONS:	
Accuracy	± 3 mm at 30 m (± 20 arc seconds)
Self-levelling range	±5°
Operating range	200 m radius/ 400 m diameter
Rotation speed (r.p.m.)	600 r.p.m.
Light source	Visible laser
Laser power	Less than 5mW
Laser class	2
Water proof/ dust-resistant	IP66
Operating time	100 hrs. with D cell batteries
Operating temperature	-20°C + 50°C

205 (L) x 211 (W) x 172 (H)

Size



Topcon RL-H5A

Dry Battery Standard

CODE: 1021200-07



Rechargeable Battery Standard

CODE: 1021200-09



Dry Battery Premium

CODE: 1021200-11



Rechargeable Battery Premium

CODE: 1021200-10





Australia's Best Construction laser is now even BETTER!

Topcon's RL-H5A Self levelling laser delivers longer range (800m), higher accuracy

(± 1.5 mm @ 30 m) and is simple to use for checking elevations.

- DEAL FOR
- ✓ Site preparation
- ✓ Earthworks
- / Concrete
- √ Carpentry
- / Drainage
- ✓ Site set-out

1. GENERAL CONSTRUCTION

Features:

- 5-year Topcon warranty
- → Long-range operation (800m)
- Simple, intuitive manual slope capability
- Construction tough build with dual handles and IP66 waterresistant housing

- LS-80L long-distance laser receiver
- 100 hrs. operating time with D Cell Battery option, or 60 hrs. with rechargeable
 - Ni-MH batteries
- Automatic height of instrument alert (elevation alert)



Premium Option with LS-100D digital receiver



SPECIFICATIONS:	
Horizontal accuracy	± 1.5 mm at 30 m (± 10 arc seconds)
Self-levelling range	±5°
Operating range	400 m radius/ 800 m diameter
Rotation speed (r.p.m.)	600 r.p.m.
Light source	Visible laser
Laser power	Less than 5mW
Laser class	3R
Water proof/ dust-resistant	IP66
Operating time	100 hrs. with D cell batteries, 60 hrs. with Ni-MH battery option
Operating temperature	-20°C + 50°C
Size	205 (L) x 211 (W) x 172 (H)
Grade (Manual one axis)	up to ±5°



Topcon AT-B Series

AT-B2 CODE: 2110220B0 32 x Magnification



AT-B3A CODE: 1012379-03 **28 x Magnification**



AT-B4A CODE: 1012379-53 **24 x Magnification**





Durable, Dependable, High Value Auto Level

Utilising a finely tuned magnetic damping system, AT-B Series automatic levels quickly level and stabilise the line of sight. These precision instruments ensure reliable levelling even when working near heavy equipment or busy roads where fine vibrations could be present.

DEAL FOR

- √ Site preparation
- √ Earthworks
- ✓ Concrete
- ✓ Drainage
- \checkmark Site set-out

2. AUTO-LEVELS

Features:

- → Choice of 3 models 32x, 28x and 24x magnifications
- Rapid, accurate and stable automatic compensation
- → Ultra-short 20 cm focussing
- → All-weather dependable
- → Clampless, endless fine horizontal adjustments
- → 5-year Topcon warranty



SPECIFICATIONS:			
	AT-B2	AT-B3A	AT-B4A
Length	215 mm	215 mm	215 mm
Magnification	32X	28X	24X
Objective aperture	42 mm	36 mm	32 mm
Resolving power	3 in.	3.5 in.	4 in.
Field of view (at 100 m)	1°20' 2.3 m	1°25' 2.5 m	1°25' 2.5 m
Focussing knob	2-speed	1-speed	1-speed
Sighting aid	Peep Sight	Gun Sight	Gun Sight
Accuracy for 1 km double run	±0.7 mm	±1.5 mm	±2.0 mm
Accuracy with micrometre	±0.5 mm	n/a	n/a
Circular level sensitivity	2 mm	2 mm	2 mm
Horizontal circle diameter	103 mm	103 mm	103 mm



Topcon RL-SV1S Single Grade Laser

Dry Battery Standard

CODF: 313990756



Rechargeable Battery Standard

CODE: 313990706



Dry Battery Premium

CODE: 313990786



Rechargeable Battery Premium

CODE: 313990776





Topcon's RL-SV1S multipurpose single grade laser sets the new standard for simplicity and accuracy. Simple to use for checking elevation and single grade applications.

DFAI FOR

- √ Site preparation
- ✓ Earthworks
- / Concrete
- √ Carpentry
- √ Drainage
- ✓ Site set-out

Features:

- 5-year Topcon warranty
- → Long-range operation (800m)
- Fully automatic and accurate at grade with temperature compensation
- Construction tough build with dual handles and IP66 water-resistant housing
- → Automatic height of instrument alert (elevation alert)
- → LS-80L long-distance laser receiver
- → RC-50 remote control included
- → Dial in automatic grade compensation





Premium Option with LS-100D digital receiver

SPECIFICATIONS:	
Horizontal accuracy	± 1.5 mm @ 30 m (± 10 arc seconds)
Operating range	400 m radius/ 800 m diameter
Operating time	120 hrs. with D cell batteries, 65 hrs. with Ni-MH battery option
Grade	± 15% (laser requires tilting over 8%)
Rotation speed	300/600 r.p.m
Water resistance	IP66
Self-levelling range	±5°
Laser class	3A
Output power	Less than 5mW



Topcon RL-SV2S Dual Grade Laser

Dry Battery Standard

CODE: 313990752



Rechargeable Battery Standard

CODE: 313990702



Dry Battery Premium

CODE: 313990552



Rechargeable Battery Premium

CODE: 313990772





Topcon's RL-SV2S multi-purpose grade laser sets the new standard for simplicity and accuracy. Rugged and compact, it's twice the laser at an amazingly affordable price.

EAL FOR

- ✓ Site preparation
- ✓ Earthworks
- / Concrete
- √ Carpentry
- √ Drainage
- ✓ Site set-out

Features:

- Fully automatic and accurate at grade with temperature compensation
- Electronic beam shutters (to avoid interference with other lasers on site)
- Construction tough build with dual handles and IP66 water-resistant housing
- → Automatic height of instrument alert (elevation alert)
- → LS-80L long-distance laser receiver
- → RC-60 remote control included
- → 5-year Topcon warranty
- → Dial in automatic grade compensation







Premium Option with LS-100D digital receiver

SPECIFICATIONS:	
Horizontal accuracy	± 1.5 mm @ 30 m (± 10 arc seconds)
Operating range	400 m radius/ 800 m diameter
Operating time	120 hrs. with D cell batteries, 65 hrs. with Ni-MH battery option
Grade	± 15% (laser requires tilting over 8%)
Rotation speed	300/600 r.p.m
Water resistance	IP66
Self-levelling range	±5°
Laser class	3A
Output power	Less than 5mW



Topcon RL-200 Series

Topcon RL-200 1S Single Grade Laser

CODE: 314910862



Topcon RL-200 2S Dual Grade Laser

CODE: 314920833





- √ Site preparation
- ✓ Earthworks
- ✓ Concrete
- ✓ Drainage

With exceptional slope range and a large, easy to use screen and user interface, Topcon's RL-200 series combines advanced technology with simple, robust design. Choose from two models, the RL-200 1S single grade, or RL-200 2S dual grade. The RL-200 1S provides single grades from -5% up to +25%.

The RL-200 2S provides dual grades up to +/- 10% in the X axis, or up to an industry leading -5% to +25% in the Y axis. The 2S model also comes with a full-function remote, for complete control of the laser from up to 200 m away.

Features:

- Self-Levelling
- → Electronic beam masking
- Automatic height of instrument alert (elevation alert)
- 5-year Topcon warranty
- Made in Japan

SPECIFICATIONS:	
Horizontal accuracy	+/- 7 arc seconds
Operating range	1100m diameter
Operating time	100 hrs. with D cell batteries 90 hrs with Ni-Mh battery option
Grade (single/dual)	RL-200 1S: -5 to +25 / N/A RL-200 2S: +/-10 / -5 to +25
Rotation speed	300/600/900 rpm
Waterproof / Dust Resistance Rating	IP66
Output Power	less than 5mW
Laser Class	3R





TP-L5 Pipe Laser Series

Topcon TP-L5B
Red Beam CODE: 329560416



Topcon TP-L5BG Green Beam CODE: 329560436





Topcon's TP-L5 Series Pipe Lasers offer a combination of features and technology that are proven to meet the demands of contractors more than any other alignment lasers on the market.

Choose from the economical red beam option or GreenBeam® technology that gives you a four times brighter beam than conventional lasers for long-run pipelines and areas where ambient light is common.

DEAL FOR

 \checkmark

Drainage

4. PIPE LASERS

Features:

- Made in Japan
- → Left/Right beam line control
- → High contrast, easy-to-read display
- → World's best long-range spot quality
- RC-200 infrared remote for complete control
- → All-metal, waterproof housing
- → 5-year Topcon warranty





SPECIFICATIONS:		
	TP-L5B	TP-L5BG
Accuracy	± 1.5 mm at 30 m (± 10 arc seconds)	± 1.5 mm at 30 m (± 10 arc seconds)
Laser wave length/ Beam type	635 nanometres, red beam diode	520 nanometres, GreenBeam® diode
Operating range		
Laser	5 m- 150 m	5 m- 150 m
Grade range	-15% to +40%	-15% to +40%
Remote control operation	200m from front (in pipe), 25m from above operation	200m from front (in pipe), 25m from above operation
Line control width	±15%	±15%
Self levelling range	±10%	±10%
Waterproof Rating	IPX8	IPX8
Power	55 hrs. Ni-MH (standard), 80 hrs. D-size alkaline optional)	40 hrs. Ni-MH (standard), 55 hrs. D-size alkaline (optional)



Magnetic-Mount Receivers

The Topcon LS-B10 Series offer a cost effective indicate laser solution, designed with two purposes in mind: to help move dirt efficiently and grow with the evolving needs of your company.



These versatile receivers can be mounted on a range of machines such as mini excavators, and are useful for grade checking applications where they can be mounted to a staff via a Holder 6. The LS-B10W model has a wireless option, enabling it to be connected to a RD-100W (Remote Display Unit) which can be mounted in the cab allowing the operator to view the same information that is displayed out on the excavator stick.

Topcon LS-B10

CODE: 312660101



LS-B10W CODE: 312660111



- √ Site preparation
 - Farthworks
- √ Drainage

5. 2D MACHINE CONTROL

Kit includes:

- → LS-B10
- → 3 x AA Alkaline Batteries
- **→** Instructions

Features:

- Made in Japan
- → 1-year Topcon Warranty



Specifications:	LS-B10	LS-B10W
Detective range	120 mm	120 mm
Detective angle	270°	270°
Detective precision	Mode1: ±2 mm Mode2: ±6 mm Mode3: ±12 mm Mode4: ±30 mm	Mode1: ±2 mm Mode2: ±6 mm Mode3: ±12 mm Mode4: ±30 mm
Laser detecting range (Diameter)	700m	700m
Optional remote display (RD-100W) via Bluetooth	×	✓
Wireless communication (RD-100W)	×	20m

Magnetic-Mount Receivers

Features:

- Large working range
- → 360° detection
- Rugged, waterproof design
- \rightarrow Indicate and automatic solutions
- → Wireless & CAN compatible (* W-models)
- On-grade matching
- → Plumb/Tilt Indication (110 models only)
- Universal pole clamp
- Made in Japan
- 1-year Topcon Warranty



RD-100W Remote

CODF: 312671121







LS-B110 CODF: 312670111

Automatic Hydraulic Compatible, Plumb & Tilt Indication



As shown with optional Magnetic Pole Mount





LS-B110W CODE: 312670121

Automatic Hydraulic Compatible, Plumb & Tilt Indication, Wireless Compatible



5. 2D MACHINE CONTROL

Specifications	LS-B100	LS-B110	LS-B110W
Detector angle	360°	360°	360°
Detector range	175 mm	250 mm	250 mm
Detectable laser wave length	633 to 785 nm	633 to 785 nm	633 to 785 nm
Detective precision	_	_	
Mode1:	±3 mm	±3 mm	±3 mm
Mode2:	±6 mm	±6 mm	±6 mm
Mode3:	±15 mm	±15 mm	±15 mm
Mode4:	±30 mm	±30 mm	±30 mm
Laser detecting range (diameter) using RL-200 1S/2S	800 m	800 m	800 m
Machine control hydraulic compatible	No	Yes	Yes
Plumb and slope indicator	No	Yes	Yes
Optional remote display (RD-100W) via bluetooth	No	No	Yes
Wireless communication (RD-100W)	No	No	20 m
Operating time approx - alkaline	100 hrs.	80 hrs.	40 hrs.
Operating time approx - rechargeable (BT-68Q kit optional)	50 hrs.	40 hrs.	18 hrs.
Power from machine (PC-18 cable optional)	Yes	Yes	Yes*
Power save and laser-on power save functions	Yes	Yes	Yes
Auto shutoff after 60 minutes	Yes	Yes	Yes
Waterproof	IP66	IP66	IP66

Topcon DT-200 Series

DT-209

CODE: 303216141







Waterproof, Dustproof Digital Theodolites

The DT-200 Series integrates the same high-quality advanced absolute circle reading technology found in Topcon's high-performance total station products for more accurate field calculations. Available in 5", 7", or 9" angle accuracy, there is a DT-200 theodolite perfect for any job. Compact and lightweight for easy portability, the DT-200 Series provide precise measurement in a functional, hassle-free package.

Length	149 mm
Objective lens	40 mm

DT-209 SPECIFICATIONS:

Magnification	26x power
Field of view	1°30'

3 power

Resolving power

Stadia ratio	100	
Stadia constant	0	

Sighting collimator	Double

Angle	Manual
Measurement	one axis u
Accuracy	to ±9 arc seconds

Features:

- Long battery life, with 140 hrs. of operation from 4 AA batteries
- Waterproof and dust-proof housing IP66
- Gas charged telescope
- Made in Japan
- Two Year Warranty

Kit includes:



- DT-209 Theodolite
- → Plumb Bob
- Tool Kit
- Waterproof Protective Cover
 - Lint Free Lens Cloth
 - Carry Case

- ✓ Site preparation
- √ Concrete
- ✓ Drainage
- √ Site set-out

Astor DT-10 Electronic Theodolite

CODF: DT-10



The Astor DT-10 is ideal for building set out and general construction. With its dual face LCD display, the DT-10 is supplied with both Alkaline and Rechargeable battery packs. Featuring 30 x Magnification, this has made the DT-10 a very popular choice for building contractors.



Kit includes:

- Astor DT-10
- Plumb Bob
- Rain Coat
- Operator Manual
- Durable Hard Shell Carry Case

SPECIFICATIONS:			
Accuracy	± 10 arc seconds		
Objective lens	45 mm		
Magnification image erect	30x		
Minimum focus	1.3 m		

- DEAL FOR
- √ Site preparation
- ✓ Concrete
- ✓ Drainage
- √ Site set-out

Topcon LS-100D Digital Receiver

CODF: 1026030-01





The LS-100D is the latest addition to the Topcon laser receiver range. The LS-100D is designed to make elevation and vertical alignment



control faster and easier in any application, with a digital readout of millimetres from grade. The LS-100D is a high precision sensor that can meet the demands of even the toughest job.

Features:

- 4 accuracy resolutions from ±0.5mm to +10mm
- 90mm reception height for extra-wide beam capture sensor
- Built-in magnets for vertical & horizontal steel erection
- Hold button for locking display to read elevation results
- Large & bright LCD displays (front & back)
- Three colored LFDs
- Holder 110 included

Site preparation

- **Earthworks**
- Drainage

Topcon LS-80L Laser Receiver

CODE: 313540702



Construction



Holder 6 (Suits LS-80L laser receiver)





Topcon laser receivers allow single crew members to quickly and accurately finish any job-from sub-base levelling to concrete finishing. Topcon laser hand receivers are rugged, water and dust resistant and used with the most conventional rotating lasers.

Features:

- Two-way communication
 - Height alert and laser battery status
- 5 levels of LCD display precision
- Extended battery life

Rotosure Measuring Wheels

The measuring wheel of choice for contractors, Rotosure are tough, accurate and easy to operate

SPECIFICATIONS:				
Folds in half	•	Heavy duty	•	
Push button zero reset	•	Measuring distance	10000 m	
Kick down stand	•	Increments	0.1 m	
Carry handle	•	Wheel circumference	1 m	
Wrist strap	•	Wheel diameter	0.32 m	
Debris removing scraper	•	Weight	2.36 kg	
Sealed roller bearings	•			





Rotosure Professional

w/ Trigger Brake and Pistol Grip Zero Reset CODE: RSCLA-P



Yamayo Measuring Tapes

Designed to handle all weather conditions and rough handling on a construction site, Yamayo tapes are made to last.

- Non-conductive fibreglass or Nylon-coated steel
- Open reel
- 3:1 ratio (fast retrieve)
- 30 m, 50 m or 100 m lengths available

Holder 110 (Suits LS-100D digital laser receiver)















50 m Nylon-coated Steel CODE: ZNX50M



Aluminium Dome TripodCODE: 07-10-DT





Aluminium Flat Tripod CODE 07-10-FH-P





Elevating Tripod CODE: 03-10-ETH980





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Timber Flat Tripod CODE: 07-10-TWF



BT-79Q NIMH Battery For RL-H5A

CODE: 1025029-01





AD-17D A/C Adapter (AU) For RL-H5A / RL-H5B

CODE: 1024944-04





DB-79A Battery Holder For RL-H5A CODE: 1024993-01





Cut / Fill Rod

CODE: 07-10-LP-02





Staff 5 m E Face

CODE: 07-10-55ES









Contact Us

For over 20 years Topcon has been leading the laser industry in innovation, reliability and value.

Why consider any other brand?