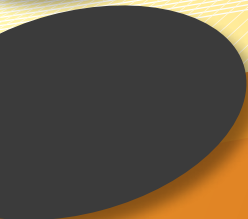




# CONSTRUCTION

## Product Guide 2012



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# 1. General Construction



This multi-purpose laser is ideal for:

- Machine control applications
- Site levelling with slope matching
- Concrete work and foundations
- General Construction

## Features:

- ➔ 5-year Topcon warranty
- ➔ Manual slope match function (with automatic cross-axis self-levelling)
- ➔ Construction tough build with dual handles and IP66 water-resistant housing
- ➔ New LS-80L long-distance laser sensor
- ➔ 100 hours operating time with D Cell Battery option, or 60 hours with rechargeable Ni-MH batteries
- ➔ Automatic height of instrument alert (HI alert)
- ➔ Universal rod clamp for LS Series sensor



## Topcon RL-H4C

### D Cell Battery

CODE: 57177



### Rechargeable

CODE: 57176AN



## AUSTRALIA'S BEST CONSTRUCTION LASER IS NOW EVEN BETTER!

Topcon's RL-H4C self-levelling laser delivers longer range (800m), higher accuracy ( $\pm 1.5\text{mm @ 30m}$ ) and more versatility with single slope matching.



# 1. General Construction

## Topcon RL-H4C

SPECIFICATIONS:	
Accuracy	Horizontal $\pm 10$ arc seconds
Self-levelling Range	Horizontal $\pm 5^\circ$
Working Area (diameter)	800m
Rotation Speed (R.P.M.)	600r.p.m.
Light Source	Visible laser
Laser Power	2.4mW
Laser Class	3A
Water proof/ dust-resistant	IP66
Operating time	100 hours with D cell batteries 60 hours with Ni-MH battery option
Operating temperature	-20°C ~ +50°C
Size	177(L) × 195.6(W) × 216.5 (H)

### Kit includes:

- RL-H4C Laser
- LS-80L Sensor (Dual LCD - 11 Channel Graduating Arrow)
- Sensor Holder 6
- Batteries (D Cell)
- Carry Case



*Optional:*  
Rechargeable Ni-MH  
battery Kit & AC charger

## 2. Auto-levels



### 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.

### Features:

- Choice of 3 models – 32x, 28x and 24x magnifications
- Rapid, accurate and stable automatic compensation
- Ultra-short 20cm focussing
- All-weather dependable
- Clamless, endless fine horizontal adjustments



### Topcon AT-B Series

**AT-B2** CODE: 60907  
32 x Magnification



**AT-B3** CODE: 60908  
28 x Magnification



**AT-B4** CODE: 60909  
24 x Magnification



## 2. Auto-levels

SPECIFICATIONS:			
	AT-B2	AT-B3	AT-B4
<b>Length</b>	215mm	215mm	215mm
<b>Magnification</b>	32X	28X	24X
<b>Objective Aperture</b>	42mm	36mm	32mm
<b>Resolving Power</b>	3 in.	3.5 in.	4 in.
<b>Field of View</b> (at 100m)	1°20' 2.3m	1°25' 2.5m	1°25' (at 100m) 2.5m
<b>Focussing Knob</b>	2-speed	1-speed	1-speed
<b>Sighting Aid</b>	Peep Sight	Gun Sight	Gun Sight
<b>Accuracy Without Micrometre</b>	0.7mm	1.5mm	2.0mm
<b>Accuracy With Micrometre</b>	0.5mm	n/a	n/a
<b>Circular Level Sensitivity</b>	2mm	2mm	2mm
<b>Horizontal Circle Diameter</b>	103mm	103mm	103mm

### Kit includes:

- AT-B level
- Plumb bob
- Hex wrench
- Adjusting pins
- Vinyl cover
- Cleaning cloth & lens cap
- Carry case



### 20cm Ultra-Short Minimum Focus

The AT-B Series can focus on objects at 20cm in front of the telescope. This feature dramatically facilitates work in confined spaces.



## 2. Auto-levels



The Astor AT-20 Automatic Level is an ideal entry level option, featuring 20 x Magnification optics that allow for precise readings for general construction applications. The AT-20 has a rugged design providing a great track record of reliability and along with the support of local service and calibration, the AT-20 is excellent value.

### SPECIFICATIONS:

<b>Length</b>	215 mm
<b>Magnification Image erect</b>	20 x
<b>Standard Deviation for 1Km Double Run</b>	2.5 mm
<b>Objective Lens</b>	30 mm
<b>Minimum Focus</b>	0.5 m

### Astor AT-20 Automatic Level

CODE: 03-10-AT-20



# 3. Interior Lasers



## SUPERIORITY THAT'S EASY TO SEE – INDOORS OR OUT

Topcon's world first ultra-visible GreenBeam® technology quadruples beam brightness so you never lose valuable time hunting for the beam in direct sunlight or on the scan target.



Topcon's SmartScan® lets you draw a line of focused laser light on any surface, to any length you need. It stays there as long as you need, until you release it using the target plate.

## VERTICAL ALIGNMENT

Use the 90 degree plumb beam to easily square walls and align wall track. Simply place the optional vertical target on your line, place the RL-VH4DR/RL-VH4G2 at the other end, and use the manual slope buttons, or included RC-40 Remote Control to centre the beam on the target.

## Kit Includes

- ➔ RL-VH4 Series Laser
- ➔ RC-40 Remote Control
- ➔ Scanning target
- ➔ Wall mount
- ➔ D Cell Battery Kit
- ➔ Carry case



## Topcon RL-VH4DR - Red Beam

CODE: 57145AN



## Topcon RL-VH4G2 - Green Beam

CODE: 57143AN



Topcon's RL-VH4 Series lasers provide fast, superior levelling and visibility for interior and general contractors. Value, advanced technology, proven durability, and packaged to fit the way you work. Only Topcon has it!



# 3. Interior Lasers

## Features:

- 5 Year Topcon Warranty
- Choice of Topcon's patented GreenBeam® or traditional Red Beam technology
- Fast, fully automatic self-levelling - under 5 seconds
- SmartScan® Technology
- Horizontal / vertical operation - 90° plumb beam to easily square walls and align wall tracks
- RC-40 remote
- Optional LS-80 laser detector with rod clamp
- Removable lighthouse cover
- Manual slope option for rake in / cathedral ceilings to 5°

SPECIFICATIONS:	
Accuracy	±2mm @ 20m
Detecting range	300m with optional LS-Receiver
Beam type	RL-VH4DR - 635 nm red & RL-VH4G2 - 532 nm green
Laser class	3A
Rotating speed	0-300 rpm
Water / Dust-proof	IP 54
Scanning width	180 degrees
Remote control	within 100 m
Operating time	90hrs alkaline



# 4. Grade Lasers



## Topcon RL-SV25 D Cell Battery

CODE: 57185



## Rechargeable

CODE: 57184AN



### Features:

- Dial-in grade setting
- Grade matching (Manual slope)
- Hi Alert
- Warning on LS (Hi Alert, Battery)
- Electronic Beam Masking
- Vertical setting
- Vertical alignment
- Remote control (range:200m) RC-60

### SPECIFICATIONS:

<b>Accuracy</b>	± 10 arc seconds
<b>Operating range</b>	400m radius / 800 diameter
<b>Operating Time</b>	100hrs (alkaline), 60hrs (Ni-MH)
<b>Grade</b>	±15% dual
<b>Rotation Speed</b>	300, 600 rpm
<b>Water resistance</b>	IP66
<b>Weight</b>	3.0kg
<b>Horizontal Accuracy</b>	±10 arc seconds
<b>Self-levelling range</b>	±5 degrees
<b>Grade - dual</b>	±15%
<b>Laser class</b>	3A
<b>Output power</b>	2.4mW
<b>Laser wave length</b>	635nm

# 5. Pipe Lasers



Topcon's TP-L4 Series of alignment 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!

### Features:

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



**Topcon TP-L4B  
Red Beam**

CODE: 57066AN



**Topcon TP-L4BG  
Green Beam**

CODE: 57049AN



# 5. Pipe Lasers

SPECIFICATIONS:		
	TP-L4B	TP-L4BG
<b>Accuracy</b>	horizontal $\pm 10$ arc seconds	horizontal $\pm 10$ arc seconds
<b>Beam</b>		
Type	633 nanometers, red beam diode	532 nanometers, GreenBeam <sup>®</sup> diode
<b>Operating Range</b>		
Laser	5m – 150m	5m – 150m
Line range	$\pm 15\%$	$\pm 15\%$
Range	-15% to +40%	-15% to +40%
Remote control operation	200 m from front (in pipe), 25 m from above	200 m from front (in pipe), 25 m from above
<b>Line Control</b>		
Width	$\pm 15\%$ degrees	$\pm 15\%$ degrees
<b>Levelling</b>		
Self levelling range	$\pm 10\%$ degrees	$\pm 10\%$ degrees
<b>Power</b>	32 hours 4-D Ni-MH (standard), 45 hours D-size alkaline (optional)	48 hours 4-D Ni-MH (standard), 70 hours D-size alkaline (optional)

### Kit includes:

- ➔ TP-L4B or TP-L4BG laser
- ➔ Leg sets for 15cm, 20cm, 25cm, 30cm pipes
- ➔ Single pointed foot
- ➔ 15cm to 45cm adjustable targets
- ➔ Remote control RC-200
- ➔ Ni-MH battery BT-53Q x 2
- ➔ Battery charger AC/DC + BA-2
- ➔ Carry case

*Shown with optional PC-17 / 12V Power cable*



# 6. Theodolites



### Kit includes:

- ➔ DT-200 theodolite
- ➔ Plumb bob
- ➔ Tool kit
- ➔ Waterproof protective cover
- ➔ Lint free lens cloth
- ➔ Carry case

### Features:

- ➔ Long battery life, with 140 hours of operation from 4 AA batteries (w/o laser)
- ➔ Vertical angle correction provides  $\pm 3$  minutes accuracy
- ➔ Waterproof and dust-proof housing - IP66
- ➔ Gas charged telescope



## Topcon DT-200 Series

**DT-209** CODE: 60214AN



### 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.

### DT-209 SPECIFICATIONS:

<b>Length</b>	149 mm
<b>Objective lens</b>	40 mm
<b>Magnification</b>	26x power
<b>Field of view</b>	1°30'
<b>Resolving power</b>	2.5 power
<b>Minimum focus</b>	90 cm
<b>Stadia ratio</b>	100
<b>Stadia constant</b>	0
<b>Sighting collimator</b>	Double

# 6. Theodolites

## Astor EDT-10 Electronic Theodolite

CODE: 03-10-EDT10



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

SPECIFICATIONS:	
<b>Accuracy</b>	± 10 arc seconds
<b>Objective Lens</b>	45 mm
<b>Magnification</b> Image Erect	30x
<b>Minimum Focus</b>	1.3 m





### BUILT-TO-USE, BUILT-TO-LAST

Topcon's LS-B100 Series comprise advanced technology, value-priced laser receivers for dozers, scrapers, excavators, backhoes, and drag-boxes. All LS-B100 receivers feature simple, secure mechanical mounting, 360° beam detection, adjustable on-grade accuracy, alkaline or rechargeable battery operation, water and dust proof cast construction, and bright multi-color LED displays.

### Features:

- ➔ Large working range
- ➔ 360° detection
- ➔ Rugged, waterproof design
- ➔ Indicate and automatic solutions
- ➔ Wireless & CAN compatible (\* W-models)
- ➔ On-grade matching
- ➔ Plumb/Tilt Indication (110 models only)
- ➔ Universal pole clamp



## Machine-Mount Receivers Topcon LS-B100 Series

**LS-B100** CODE: 57135  
Indicate Only



**LS-B110** CODE: 57136  
Automatic Hydraulic Compatible, Plumb & Tilt Indication



**LS-B110W** CODE: 57137  
Automatic Hydraulic Compatible, Plumb & Tilt Indication, Wireless Compatible



# 7. 2D Machine Control

## Machine-Mount Receivers Topcon LS-B100 Series



Specifications	LS-B100	LS-B110	LS-B110W
<b>Detector Angle</b>	360°	360°	360°
<b>Detector Range</b>	175mm	250mm	250mm
<b>Detectable Laser Wave Length</b>	633 to 785nm	633 to 785nm	633 to 785nm
<b>Detective Precision</b>			
Mode1:	±3mm	±3mm	±3mm
Mode2:	±6mm	±6mm	±6mm
Mode3:	±15mm	±15mm	±15mm
Mode4:	±30mm	±30mm	±30mm
<b>Laser Detecting Range (diameter) using RL-100 1S/2S</b>	800m	800m	800m
<b>Machine Control Hydraulic Compatible</b>	No	Yes	Yes
<b>Plumb and Slope Indicator</b>	No	Yes	Yes
<b>Optional Remote Display (RD-100W) via Bluetooth</b>	No	No	Yes
<b>Wireless Communication (RD-100W)</b>	No	No	20m
<b>Bluetooth</b>	No	No	Yes
<b>Operating Time Approx - Alkaline</b>	100 Hours	80 Hours	40 Hours
<b>Operating Time Approx - Rechargeable (BT-68Q Kit Optional)</b>	50 Hours	40 Hours	18 Hours
<b>Power from Machine (PC-18 Cable Optional)</b>	Yes	Yes	Yes
<b>Power Save and Laser-on Power Save Functions</b>	Yes	Yes	Yes
<b>Auto Shutoff after 60 minutes</b>	Yes	Yes	Yes
<b>Waterproof</b>	IP66	IP66	IP66



## Magnetic-Mount Receivers

### Topcon LS-B10

CODE: 57110



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.

LS-B10 Specifications:	
<b>Detective range</b>	120mm
<b>Detective angle</b>	270°
<b>Detective Precision</b>	Mode1: ±2mm Mode2: ±6mm Mode3: ±12mm Mode4: ±30mm
<b>Laser: Detective range</b>	700m
<b>Power source</b>	3 x AA alkaline batteries
<b>Operating time</b>	Approx. 40hrs
<b>Waterproof</b>	IP66

### Kit includes:

- ➔ LS-B10
- ➔ 3 x AA alkaline batteries
- ➔ Instructions



# 7. 2D Machine Control

## Indicate solution:

**LS-B10W** CODE: 57113



With wireless BT connections to

**RD-100W** CODE: 60695



## Kit includes:

- ➔ LS-B10W
- ➔ 3 x AA alkaline batteries
- ➔ Instructions

Specifications:	
<b>Detective range</b>	120mm
<b>Detective angle</b>	270°
<b>Detective Precision</b>	Mode1: ±2mm Mode2: ±6mm Mode3: ±12mm Mode4: ±30mm
<b>Wireless range</b>	20m (may vary depending on conditions)
<b>Power source</b>	3 x AA alkaline batteries
<b>Operating time</b>	Approx. 40hrs
<b>Waterproof</b>	IP66
<b>Laser:</b>	
<b>Detective range</b>	700m
<b>Power source</b>	3 x AA alkaline batteries
<b>Waterproof</b>	IP66



# 8. Pipe and Cable Locators



## C.Scope Cable Avoidance Tool

### DXL

#### General Purpose

CODE: 03-10-DXL-33SGV1G



### MXL

#### Advanced Applications

CODE: 03-10-MXL/MXT KIT



The C.Scope cable avoidance tool is a full function, industry standard locator which every ground working operative will find familiar and easy to use.

Better by design, the cost effective Cable Avoidance Tool is rugged, lightweight and packed full of features. With fingertip controls you can adjust sensitivity and quickly switch between the locator's operating modes:

- P** – Power mode for detecting live, imbalanced cables
- R** – Radio mode for detecting re-radiated radio signals
- G** – Generator mode for detecting conductors carrying the signal generated by the optional generator
- AS** – Allscan - combines all modes

### Features:

- Digital technology
- On/off control on handle, activated when in use
- Sensitivity control
- Detachable loudspeaker
- User replaceable base protector
- Display shows signal strength, battery condition, operating mode
- Depth of detection 3m (P and G modes), 2m (R mode)
- IP65 - standard
- 40 hrs - one set of batteries

<b>Single frequency - DXL</b>	33 kHz
<b>Multi frequency - MXL</b>	33 kHz, 640 kHz, 98 kHz



# 9. Multifunction Rotating Lasers



## PLS HVR-505 Rotating Lasers

### PLS HVR-505G – Green Beam

CODE: PLS-60582



### PLS HVR-505R – Red Beam

CODE: PLS-60552



The PLS HVR 505 Series lasers are compact, mid range rotating lasers designed for light commercial, residential and renovation projects. Horizontal and Vertical applications are easy as the HVR 505 Series lasers are versatile for short to medium range jobs with  $\pm 3\text{mm} @ 30\text{m}$  accuracy. Available in highly visible Green Beam for interior projects and Red Beam for interior as well as exterior applications such as landscaping and footing.

- Red Beam or 4 x brighter Green Beam
- Self-levelling
- Vertical & horizontal
- Plumb beams top & bottom for 90 degree layout
- Slope capable
- Rechargeable batteries
- 300m range



# 9. Multifunction Rotating Lasers

SPECIFICATIONS:	
<b>Working range</b>	150m Radius
<b>Accuracy</b>	± 3mm @30m
<b>Self-levelling range</b>	5°
<b>Power source</b>	Ni-MH Alkaline packs
<b>Laser class</b>	
Red beam	2
Green beam	3A
<b>Weight</b>	2.2kgs

### Kit includes:

- HVR-505 rotating laser
- PLS HVD Detector & clamp
- RC 505 Remote control
- Alkaline & Ni-MH battery packs
- AC charger
- Ceiling bracket
- Ceiling target
- Operator manual
- Carry case



2 Year Warranty & Lifetime Support Program



# 10. Dot & Line Lasers



## PLS 90

CODE: PLS-60512



## SLD Detector

CODE: PLS-60533



### PRECISE 90 DEGREE LAYOUT LASER

Fully self-levelling, the PLS 90 is a unique laser level. No more 3-4-5. Use your PLS 90 and our universal base-tripod adapter for fast, accurate and dependable square layout for flooring-tile, framing (metal stud or wood), concrete foundations, pads and more.

### Kit includes:

- PLS 90
- Universal base
- Red layout targets (x2)
- Operator manual
- Carry case

*Optional:* SLD detector for exterior use

2 Year Warranty & Lifetime Support Program



SPECIFICATIONS	
Accuracy	± 3mm @ 30 metres
Working Range	± 76 metres w/ SLD Detector (optional)
Operating Time	30 Hrs
Weight:	0.77kg
Power Supply	3 "AA" Batteries
Self Levelling Range	6 Degrees
Laser Class	2

# 10. Dot & Line Lasers



## PLS 180

CODE: PLS-60521



## SLD Detector

CODE: PLS-60533



### PALM LASER INTERIOR-EXTERIOR HORIZONTAL-VERTICAL LAYOUT

The PLS 180, with our optional exclusive PLS SLD detector, is a simple, easy solution for short and mid-range interior and exterior horizontal and vertical layout tasks. Plumb, level and square laser reference in the palm of your hand.

**USES:** Carpentry, Drywalls, Ceilings, Door, Window, Installation.

### SPECIFICATIONS:

<b>Accuracy</b>	± 3mm @ 10 metres
<b>Working Range</b>	± 61 metres w/ SLD Detector
<b>Weight</b>	0.77kg
<b>Power Supply</b>	3 "AA" Batteries
<b>Fan Angle</b>	180 Degrees - Hz / Uz
<b>Self Levelling Range</b>	6 Degrees
<b>Operating Time</b>	+30 Hrs
<b>Laser Class</b>	2

### Kit includes:

- ➔ PLS 180
- ➔ PLS 180 pouch
- ➔ Wall bracket
- ➔ Operator manual
- ➔ Carry case

### Optional:

SLD detector for exterior use

2 Year Warranty & Lifetime Support Program



# 10. Dot & Line Lasers



## PLS 360

CODE: PLS-60526



## SLD Detector

CODE: PLS-60533



### 360 DEGREE LASER LEVEL

Fully self levelling, the PLS 360 provides a continuous 360 degree line of reference. The PLS 360 offers one button set up for indoor-outdoor applications. Unlike rotary lasers with sensitive moving parts, this compact, bright and durable tool has no complicated features or multiple knob adjustments. The PLS 360 simplifies your work day with the press of a button.

#### SPECIFICATIONS:

<b>Accuracy</b>	± 3mm @ 30 metres
<b>Working Range</b>	± 60 metres w/ SLD Detector
<b>Operating Time</b>	+35 Hrs
<b>Weight</b>	1kg
<b>Power Supply</b>	3 D Cell Batteries
<b>Self-levelling Range</b>	6 Degrees
<b>Laser Class</b>	2



### Kit includes:

- ➔ PLS 360 Laser
- ➔ Ceiling wall bracket
- ➔ Operator manual
- ➔ Carry case

### Optional:

SLD detector for exterior use

2 Year Warranty & Lifetime Support Program



# 10. Dot & Line Lasers



## PLS 3

CODE: PLS-60523



### PLUMB AND LEVEL POINT-TO-POINT ALIGNMENT

The PLS 3 laser provides point-to-point indoors and outdoors alignment information quickly and easily. It does not emit lines; only points. The PLS 3 is compact, durable, and will drastically reduce layout time for walls, fixtures, pipe, conduit, door and window frames, and more.

SPECIFICATIONS:	
<b>Working Range</b>	30 metres
<b>Accuracy (all beams)</b>	± 6mm @ 30 metres
<b>Self Levelling Range</b>	6 Degrees
<b>Power Supply</b>	3 "AA" Batteries
<b>Operating Time</b>	+ 30 Hrs. continuous
<b>Dimensions</b>	3.8cm x 11.4cm x 7.5cm
<b>Weight</b>	0.33 kg
<b>Laser Class</b>	2



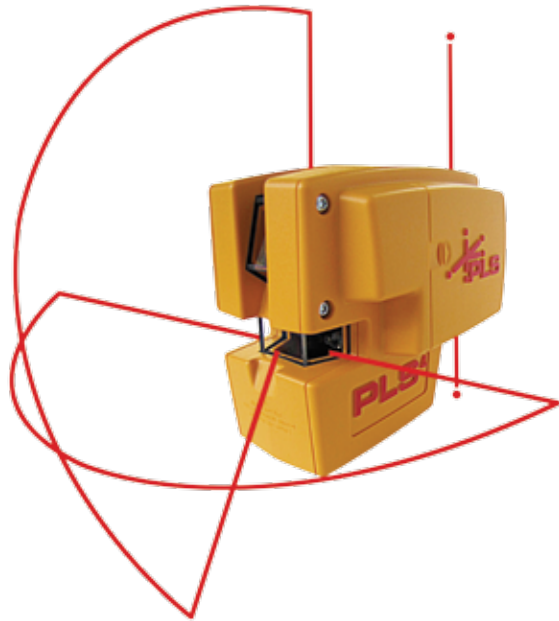
### Kit includes:

- ➔ PLS 3
- ➔ PLS 3 pouch
- ➔ Wall bracket
- ➔ Floor stand
- ➔ Operator manual

2 Year Warranty & Lifetime Support Program



# 10. Dot & Line Lasers



## PLS 4

CODE: PLS-60574



## SLD Detector

CODE: PLS-60533



### HORIZONTAL AND VERTICAL LAYOUT LASER WITH PLUMB UP AND DOWN BEAMS.

The PLS 4 is a plumb, level, and square laser line tool with a combination of up and down points. It comes with its own dedicated floor base and magnetic wall bracket, plus you can use the PLS 4 outside with the optional SLD Detector.

### SPECIFICATIONS:

<b>Crossline accuracy</b>	± 3mm @ 10m
<b>Point-to-point accuracy</b>	± 3mm @ 30m
<b>Self-levelling range</b>	6 degrees
<b>Working range</b>	30m with optional SLD detector
<b>Power supply</b>	3 x AA alkaline batteries
<b>Operating time</b>	25hrs – single beam
<b>Laser class</b>	2

### Kit includes:

- ➔ PLS 4
- ➔ PLS 4 pouch
- ➔ Magnetic Bracket
- ➔ Floor stand
- ➔ Operator Manual
- ➔ Carry case

### Optional:

SLD detector for exterior use

2 Year Warranty & Lifetime Support Program



# 10. Dot & Line Lasers



## PLS 5

CODE: PLS-60541



## PLS HVD Detector

CODE: PLS-60545



### PLUMB, LEVEL AND SQUARE POINT-TO-POINT ALIGNMENT INFORMATION

Lay out reference points faster than traditional, labour-intensive construction levels. No more swinging plumb bobs. Plumb instantly from floor to ceiling or to 15m off the ground! Use PLS as your partner on the jobsite. Self-levelling: no time wasted with bubble vials. Take clear, stable reference points indoors and outdoors. Layout square on slab, mark horizontal benchmarks and plumb in the wind.

### SPECIFICATIONS:

<b>Working Range:</b>	± 30 m
<b>Accuracy (all beams):</b>	± 3mm @ 30 m
<b>Levelling:</b>	Automatic self-levelling
<b>Levelling Range:</b>	6 Degrees
<b>Power Supply:</b>	3 "AA" Batteries
<b>Operating Time:</b>	+ 30 Hrs. continuous
<b>Weight:</b>	0.52 kg
<b>Laser class</b>	2



### Kit includes:

- ➔ PLS 5
- ➔ PLS 5 pouch
- ➔ Wall bracket
- ➔ Floor stand
- ➔ Pendulum layout targets
- ➔ Operator manual
- ➔ Carry case

### Optional:

PLS HVD detector (as shown in case)

2 Year Warranty & Lifetime Support Program



# 10. Dot & Line Lasers



## PLS FT 90

CODE: PLS-60567



### FLOOR-TILE LAYOUT

Laser cross line squaring tool designed for tile-floor layout. Eliminate costly mistakes and compound errors by establishing 90 degree (square) floor layout with bright laser lines from the durable cast aluminum FT 90. The PLS FT 90 is simple to use with the push of only one button.

SPECIFICATIONS:	
<b>Working Range:</b>	±20 metres
<b>Square Accuracy:</b>	±2mm @ 6 metres
<b>Levelling:</b>	Fixed base - not self levelling
<b>Power supply:</b>	3AA batteries, alkaline or rechargeable
<b>Operating time:</b>	10 hours continuous use
<b>Dimensions:</b>	20.3 cm x 6 cm x 7cm
<b>Weight:</b>	1.09kg
<b>Laser class</b>	2



### Kit includes:

- ➔ PLS FT 90
- ➔ 2 x floor targets
- ➔ Operator manual
- ➔ Carry case

2 Year Warranty & Lifetime Support Program



# 10. Dot & Line Lasers



## PLS HVL 100

CODE: PLS-60558



## SLD Detector

CODE: PLS-60533



### 360 DEGREE HORIZONTAL AND VERTICAL LINES FULLY SELF LEVELLING

Who says you can't have it all? Bright multiple laser lines for layout and plumb, level and square. Reference for bathrooms, kitchens and decks.

SPECIFICATIONS:	
Accuracy	± 3mm @ 20 metres
Working Range	± 30 metres (outdoor w/ detector)
Levelling	Automatic self-levelling
Levelling Range	± 4 Degrees
Power Source	4 Ni-MH Rechargeable Batteries
Weight	2kg including batteries
Dimensions	20cm x 10cm x28cm
Laser class	2

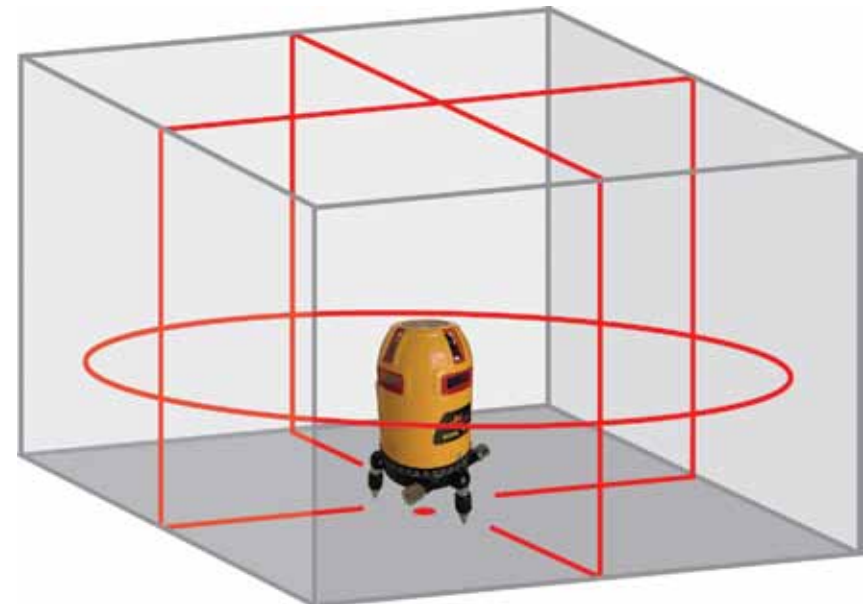
### Kit includes:

- PLS HVL 100
- Wall bracket
- 4 x Ni-MH batteries & AC charger
- 2 x layout targets
- Operator manual
- Carry case

### Optional:

SLD detector for exterior use

2 Year Warranty & Lifetime Support Program





### Features:

- ➔ Automatic self-levelling
- ➔ One button cycle operation
- ➔ Variable beam options
- ➔ Pendulum lock
- ➔ Fine motion rotating base
- ➔ Retractable legs



### Kit Includes:

- ➔ LC-4X laser
- ➔ Receiver
- ➔ Rod clamp
- ➔ Target
- ➔ 9V D Cell battery & 3 x "AA" batteries
- ➔ Laser safety glasses
- ➔ Operator manual
- ➔ Carry case



## Topcon LC-4X

CODE: 57151LC-4X



### MULTI-CROSSLINE LASER

The LC-4X projects 3 Vertical lines and 1 Horizontal line as well as a plumb (up and down) beam. Plus, it comes standard with the LS-VHX Laser Receiver to expand the working range to up to 40 metres.

### SPECIFICATIONS:

<b>Accuracy</b>	±2mm at 10 metres
<b>Operating Range</b>	40 metres with receiver
<b>Self-levelling Range</b>	± 2.5 Degrees
<b>Dimensions</b>	110 x 115 x 180 mm
<b>Weight Approx</b>	900g
<b>Operating Temperature</b>	-5 to +40°C
<b>Laser Diode</b>	Class 2 (IEC/CDRH), 635nm
<b>Power Supply</b>	3 "AA" batteries
<b>Operating Time at 25°C</b>	More than 5 hrs (when all lines projected, using alkaline batteries)
<b>Fan Angle</b>	More than 120°

# 11. Product Matrix

	SITE PREPARATION	EARTHWORKS	CONCRETE
TOPCON AT-B SERIES	●	●	●
TOPCON RL-H4C SERIES	●●	●●	●●
TOPCON RL-VH4 SERIES			
TOPCON RL-SV2S	●●	●●	●
TOPCON TP-L4 SERIES			
TOPCON LS-B10 SERIES	●	●●	
TOPCON LS-B100 SERIES	●	●●	
TOPCON DT-200 SERIES	●		●
ASTOR EDT-10	●		●
ASTOR AT-20	●	●	●
C SCOPE CABLE AVOIDANCE	●	●●	●
PLS 3			
PLS 4			
PLS 5			
PLS 90			●●
PLS 180			
PLS 360			
PLS HVL 100			●
TOPCON LC-4X			
PLS FT 90			
PLS HVR 505 RED	●		
PLS HVR 505 GREEN	●		

- SUITABLE
- RECOMMENDED

SUSPENDED CEILING	INTERIOR FITOUT	ELECTRICAL LAYOUT	DRAINAGE	WALL / FLOOR TILING	SITE SET OUT
			●		●
	●		●		●
●●	●			●	
	●		●●		●
			●●		
			●		
			●		
			●		●●
			●		●●
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			●●		●
	●	●●			
	●●	●			
	●●	●			●
	●●			●	●
	●●			●●	
●●	●				
●●	●			●	
●●	●			●	

# 12. Accessories

## Rotosure Measuring Wheels

SPECIFICATIONS	
Folds in Half	●
Push Button Zero Reset	●
Kick Down stand	●
Carry Handle	●
Wrist strap	●
Debris Removing Scraper	●
Sealed Roller Bearings	●
Heavy Duty	●
Measuring Distance	10000m
Increments	0.1m
Wheel Circumference	1m
Wheel Diameter	0.32m
Weight	2.36kg

### Rotosure Standard

CODE: 05-10-RSCLA-S



### Rotosure Deluxe

w/ Trigger Brake  
CODE: 05-10-RSCLA-D



### Rotosure Professional

w/ Trigger Brake and  
Pistol Grip Zero Reset  
CODE: 05-10-RSCLA-P



## Yamayo Measuring Tapes



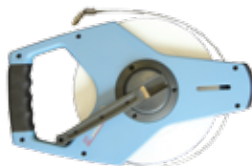
### 50m Fiberglass

CODE: 03-10-OTR50X



### 50m Nylon-coated Steel

CODE: 03-10-ZNX50M



### Aluminium Dome Tripod

CODE: 07-10-DTTC



### Aluminium Flat Tripod

CODE: 07-10-FH-TC



### Elevating Tripod

CODE: 03-10-ETH980



### Timber Flat Tripod

CODE: 07-10-TWF

### Cut / Fill Rod

CODE:  
07-10-LP-02



### Laser Jamb Pole

CODE: 07-10-58-LP12-UM

### Staff 5m E Face

CODE:  
07-10-55ES

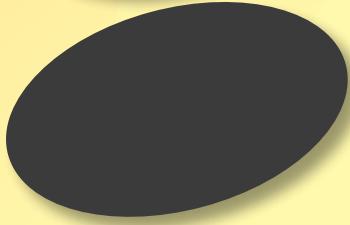
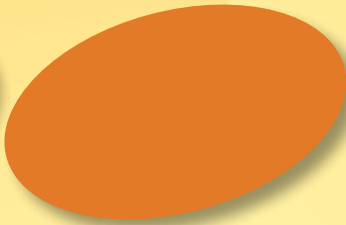


### Staff 5m 5mm Face

CODE: 07-10-55HS







**Contact Us:**