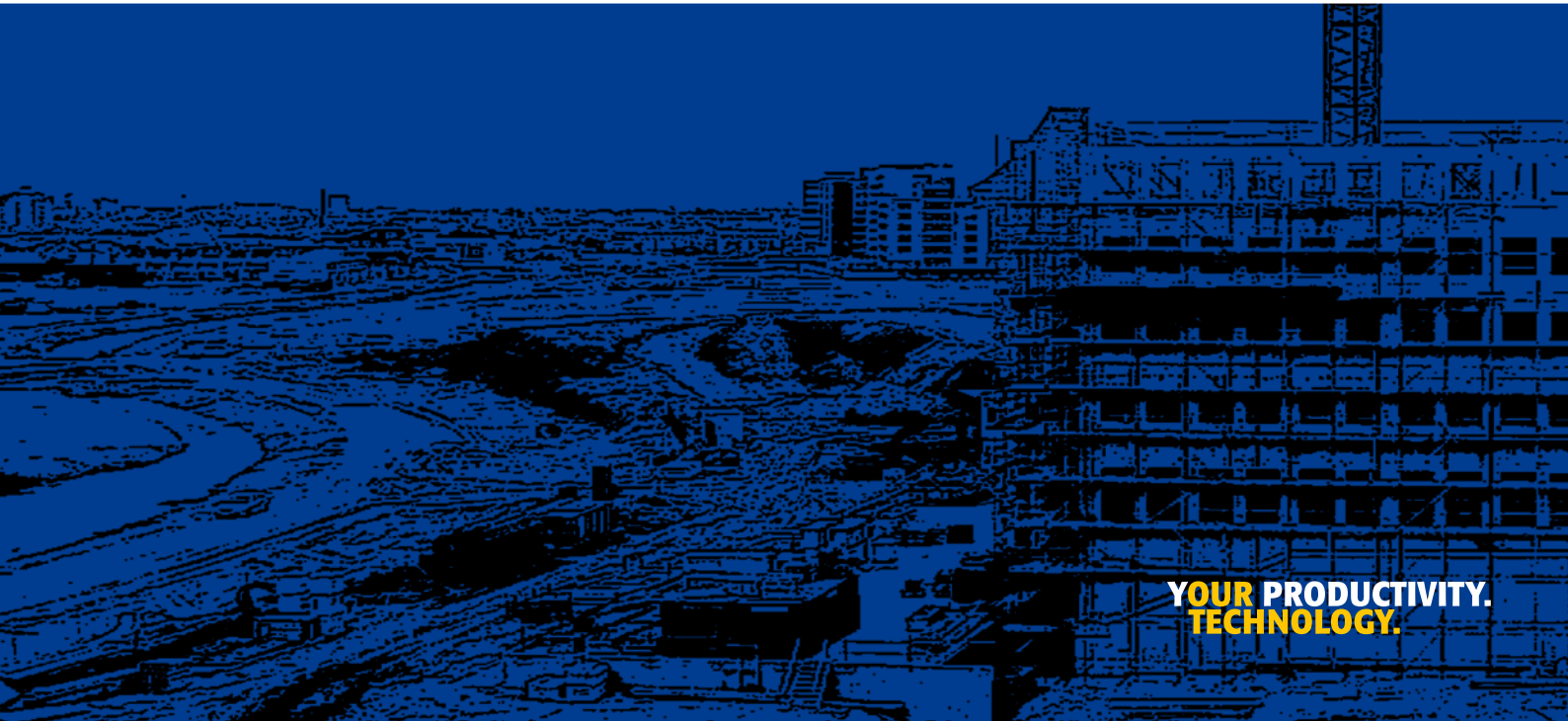


CONSTRUCTION CATALOGUE



**YOUR PRODUCTIVITY.
TECHNOLOGY.**

Topcon Lasers: designed to fit personal needs

Topcon is a worldwide leading developer and manufacturer of precision positioning equipment and offers a wide selection of innovative Laser, GPS systems, Machine Control solutions and GIS products.

The current laser program is the result of a rich history in the measuring industry, a market driven R&D department and our dedication to provide you with solutions that fit your personal needs.

The Topcon laser range is far ahead of the competition in terms of functionality and quality. Topcon lasers are fast, dependable, durable, and accurate and technologies like Topcon's GreenBeam® make Topcon lasers 4 times more visible than regular lasers. The high quality components used for the production of Topcon measuring tools give us the confidence to offer a warranty period of 5 years, a very strong sales argument.



Topcon understands that in today's demanding work environment every minute downtime on a measuring tool, is a minute lost. That's why we guarantee to solve any problem; swiftly and without restrictions. Buying a Topcon Measuring tool gives you the prospect of at least 5 years of worry-free work. This new catalogue provides an overview of our product range.

It's an easy way to find the measuring tool that best fit your personal needs and budget. No matter what the application, Topcon always offers the right solution. Our goal is to provide you with right business solutions; Today, tomorrow and in the future.

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Self-leveling Construction Laser

RL-H4C series – Horizontal, slope and long range capabilities in one tough package. Its super-fast self-leveling motors are accurate to 1.5 mm per 30m meaning whether you're checking grade or setting batter boards you're going to be accurate the first time. Its high-power diode means you have a 800 m diameter working radius making it a great reference

for machine mounted receivers. All of these features plus rechargeable battery operation makes the RL-H4C actually offers the functionality of three lasers in one.



RL-H4C

RL-H4C LASER	ART. NO
RL-H4C *1,2,3,4 Horizontal Construction	313650402

*1) Handreceiver: LS-80L, 2) Holder for handreceiver, 3) Batteries rechargeable, 4) Charger



RL-H4C



SELF-LEVELING CONSTRUCTION LASER



RL-H4C Package



- **LS-80L long range receiver**
 - Two way communication for height alert and laser battery status
 - 5 levels of LCD display precision
 - Extended Battery Life
 - Quick find sensor
 - "SmartClamp" adjustable rod clamp
 - Auto shut-off



LS-80L

- **RL-H4C Package**
 - Long range receiver
 - Holder for receiver
 - Tough carrying case
 - Charger
 - Battery pack

SPECIFICATIONS*	
Instrument	RL-H4C
Beam type / power	red (visible diode) / 2.0mW (max.)
Operating range (radius)	400m
Accuracy	2 mm per 30m
Self-leveling range	±5°
Rotation speed	600rpm
Power	Rechargeable battery
Battery life	approx. 60hrs
Waterproof	IP66
Dimensions / Weight	177 x 196 x 217 mm / 2,6 kg
Laser Receiver	LS-80L
Grade information channels	11 (+high/low out of range)
On-Grade precision	High precision: ±1 mm, Normal precision: ±2 mm
Audible on-grade alarm	Yes
Power	2 x AA Alkaline batteries
Battery life	Approx. 120hrs
Auto shut-off	After 30 minutes w/o beam detection

Multi-Task Slope Laser

Rugged dual slope laser with multi-task functionality – When you need a laser for horizontal, single slope, dual slope and vertical applications don't look further. The RL-SV2S high accuracy dual slope laser sets new standards for simplicity. Rugged, lightweight and compact, it's twice the laser at an amazingly affordable price!

The RL-SV2S with vertical function, large backlit high-contrast graphical display and possibilities to change grade, select menu settings, check operational status and even verify battery life, all without touching the laser.



RL-SV2S

RC-60

SLOPE LASER		ART. NO	
RL-SV2S	*1,2,3,4,5	Red Beam	313660402

*1) Remote control: RC-60, 2) Hand Receiver: LS-80L, 3) Holder for receiver, 4) Batteries Rechargeable, 5) Charger



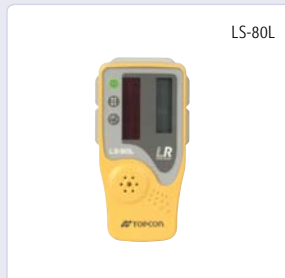
RL-SV2S



SLOPE LASER



RL-SV2S



LS-80L

● RL-SV2S – Package

- Long range receiver
- Sensor holder
- Remote control
- New tough carrying case
- Charger



RL-SV2S Package

SPECIFICATIONS*	
Instrument	RL-SV2S
H&V Accuracy	± 2.4 mm per 50 m
Self leveling range	±5 degrees
Grade settings	Dual, ±15%
Operating range (radius)	400 m
Rotating speed	300, 600 rpm
Environment	IP66
Operating time	90 hrs (Alkaline), 55 hrs (Ni-MH)
Operating temperature	-20 to 50°C
Laser class	Class 3R
Output power	2.4 mW
Laser wave length	635 nm
Laser Receiver	LS-80L
Grade information channels	11 (+high/low out of range)
On-Grade precision	High precision: ±1 mm, Normal precision: ±2 mm
Audible on-grade alarm	Yes
Power	2 x AA Alkaline batteries
Battery life	Approx. 120 hrs
Auto shut-off	After 30 minutes w/o beam detection

Slope Laser

The new standard in construction slope lasers – Topcon's RL-200 Series sets new standards for simplicity and accuracy. Rugged, lightweight, and compact, it's twice the laser at an amazingly affordable price!

Choose from two models, RL-200 1S single slope, or RL-200 2S dual slope. The RL-200 1S provides single slopes from -5% up to +25%.

The RL-200 2S provides dual slopes up to +/-10% in the X axis, or up to an industry leading -5 to +25% in the Y axis. When the RL-200 2S is operating, the RC-400 displays all operating information up to 300m away.



RL-200 2S

RC-400 Radio remote

RL-200 SLOPE LASER	ART. NO
RL-200 1S *2, 3, 4, 5 Single slope laser	314910462
RL-200 2S *1, 2, 3, 4, 5 Dual slope laser	314920433

*1) Remote control: RC-400, 2) Receiver: LS-80L, 3) Batteries Rechargeable, 4) Holder for receiver, 5) Charger



RL-200 1S



SLOPE LASER



RL-200 2S



RC-400

SPECIFICATIONS*	RL-200 1S	RL-200 2S
Repeatability	± 1.2mm	
Horizontal Accuracy	±7 arc seconds	
Grade Range	-5% to +25% (single)	±10%/ -5% to +25% (dual)
Working Range	1100 m	
Wave Length	685 nm visible	
Laser Class	Class 3R	
Environment	IP66	
RC-400 (Remote Control)	Option	Yes
Range		two-way 300m
LS-80L (Receiver)	Yes	
Receiving Range	1100 m	
Power	2 AA alkalines	



RL-200 2S Package



Bright blue screen

Pipe Laser

The TP-L4 series of alignment lasers offer a combination of features and technology that have proven to meet the demands of contractors more than any other alignment lasers on the market.

Whether in the trenches, over-the-top, or laser guidance in mining and tunneling, the TP-L4 is the industry standard. Available with red beam and GreenBeam®.

When combined with features like SmartLine® auto-alignment, the world's most accurate grade mechanism, power options that keep you working when other lasers have given up, it's no wonder Topcon has set the standard.

There are four TP-L4 models to choose from, which means four ways to get there from here within your budget.



TP-L4G

PIPE LASER	ART. NO
TP-L4B *1, 2, 3 Red Beam	329481211
TP-L4A *1, 2, 3 Red Beam	399481201
TP-L4BG *1, 2, 3 GreenBeam®	329481231
TP-L4G *1, 2, 3 GreenBeam®	329481221

*1) Remote control: RC-400, 2) Batteries Rechargeable, 3) Target plate

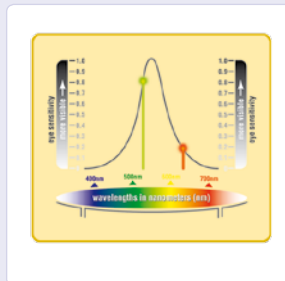


TP-L4B



PIPE LASER

Why Green? – Simple. You can see our GreenBeam® anywhere and under any conditions. It's the most visible construction laser ever! In fact, the TP-L4G GreenBeam® is four times easier to find in bright sunlight than conventional beams. So setup, grading and pipe installation is fast and easy.



● TP-L4 – Package

- 200 mm leg sets
- Carrying case
- Adjustable target
- Remote control RC-200
- NiCad battery
- Battery charger



TP-L4 Package

SPECIFICATIONS*	TP-L4B	TP-L4A	TP-L4BG	TP-L4G
Laser source	633 nm	633 nm	532 nm	532 nm
Beam color	red	red	green	green
SmartLine® auto alignment	no	yes	no	yes
Auto line centering	yes	yes	yes	yes
Auto grade zeroing	yes	yes	yes	yes
Plumb reference	yes	yes	yes	yes
Plumb reference type	LED	LED	LED	LED
SmartLine® operating range	N/A	150 m	N/A	150 m
Grade range	-15% to +40%			
Line range	±15 %			
Horizontal accuracy	± 2.4mm per 50m			
Battery life	DB-53: 70 hrs BT-53Q: 48 hrs		DB-53: 45 hrs BT-53Q: 32 hrs	
Housing construction	Cast aluminium			
Laser Class	Class 3R			
Waterproof depth	At least 5 m for 24 hours			
Operating temperature	-20°C to +50°C			

Machine Control Laser Receiver

LS-B100/110 Series – Advanced technology, value-priced laser receivers for dozers, scrapers, excavators, backhoes, and drag-boxes. All LS-B100/LS-B110 receivers feature simple, secure mechanical mounting, 360° beam detection, adjustable on-grade accuracy, water and dust proof cast construction, and bright multi-color LED displays.

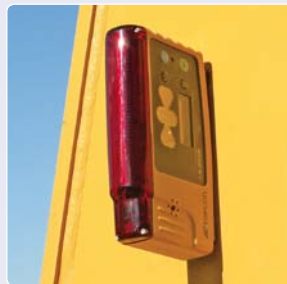
Compatible with Topcon's family of Control Boxes for all your earth moving equipment the LS-B110 can also be used in "automatic" mode to hydraulically control the elevation and/or the slope of the cutting edge. This takes production and material savings up to a whole new level.



LS-B110

MACHINE CONTROL LASER RECEIVER		ART. NO
LS-B10	*1	312660201
LS-B10W	*1 (wireless)	312670221
LS-B100	*2	312670201
LS-B110	*1, 2a Vertical indicator	312670211
LS-B110W	*1, 2a Vertical indicator (wireless)	312670221
RD-100W	*1 (wireless)	312671221

*Batteries: 1) Dry Cell, 2) Rechargeable, 2a) Rechargeable optional



MACHINE CONTROL LASER RECEIVER

LS-B10W Handreceiver

The LS-B10W laser receiver delivers a versatile, low cost indicate solution for grade checking and machine control grade applications.

RD-100W Remote Display

Shows the Laser sensors information in the cab of the machine. Productivity increases on the job because the operator focuses on the grade information in the cab.



LS-B10W

RD-100W

SPECIFICATIONS*	LS-B10	10W	LS-B100	LS-B110	LS-B110W
Detective Range	120 mm		175 mm	250 mm	
Detective Angle	270°		360°		
Detective Precision					
Mode 1:	±2 mm			±3 mm	
Mode 2:	±6 mm			±6 mm	
Mode 3:	±12 mm			±15 mm	
Mode 4:	±30 mm			±30 mm	
Detectable Laser	Wave Length 633 to 785 nm				
Laser Detecting Range	(diameter) 800 m (using RL-100 1S/2S)				
Wireless Communication with RD-100W	-	Yes	-	-	Yes
Internal Battery	C-size dry cells 4pcs. Battery pack BT-68Q (sold separately)				
External Power Supply	DC 10V to 30V				-
Operating Time (+20°C) Alkaline dry cells Battery pack BT-68Q	100h	20h	100 hours 50 hours	80 hours 40 hours	40 hours 18 hours
Operating Temperature	-20°C to +50°C				
Water Proof	IP66 (Based on the standard IEC60529)				
Dimensions (W/D/H)	110 x 36 x 176 mm		158 x 166 x 357 mm (With clamp)		
Weight (Without cells)	< 500 g		2.0 kg		
RD-100W - Remote Display					
Wireless Communication	20 m (may vary depending on obstacles between the two instruments as well as other communication)				
Internal Battery	AA-size dry cells 3 pcs.				
Operating time	40 hours				
Dimensions (W/D/H)	110 x 36 x 176 mm				
Weight	0,5 kg				



LS-B100



LS-B110:
On-grade matching
and plumb indication



LS-B110W:
On-grade matching
and plumb indication



Magmount

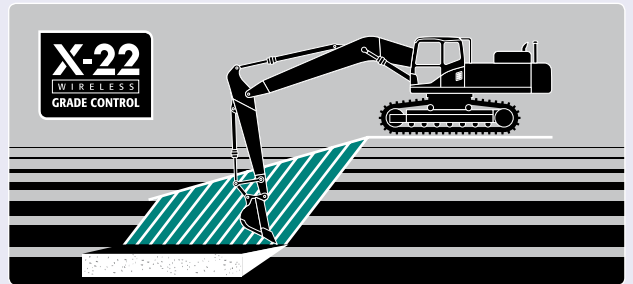
X-22 Excavator Grade Control System

The X-22 2D excavator system offers wireless grade control for any excavator. It increases quality and productivity. The system is completely wireless, fast to install, easy to use and flexible to swap between machines. The X-22 simply meets to all of you job site needs , like: flat plane, single slope, dual slope, bucket defined slope, trench, profile etc.

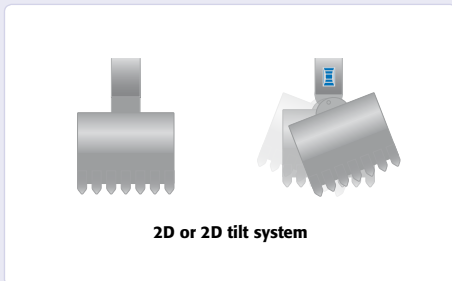
X-22 System



2D EXCAVATOR SYSTEM		ART. NO
X-22	X-22 2D System*	5434-2D
* Optional tilt bucket sensor		



2D MACHINE CONTROL SYSTEM



SPECIFICATIONS*	X-22
	Sensors (standard)
Enclosure	Polycarbonate, IP67
Dimensions	112 mm (W) x 68 mm (D) x 48 mm (H)
Weight	0.230 kg
Operating Temperature	-20°C to +60°C
Charging Temperature	0°C to +35°C
Storage Temperature	-20°C to +35°C
Operating Time	Approximately 4 weeks on one charge (approx. 200hrs)
Charging Time	Overnight
Sensor Types	Standard, Laser Receiver and Compass
	Display
Enclosure	Magnesium, IPX6
Dimensions	158 mm (W) x 158 mm (D) x 253.0 mm (H)
Weight	1.44 kg without batteries
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +70°C
Power	12/24 Volt



X-22 2D-Package

Multi Purpose Rotating Laser

RL-VH4 series – Complete, dependable, durable, accurate, visible and affordable – Compact in design with integrated handle and weighing only 2,6kg, the RL-VH4DR and RL-VH4G2 are truly portable and easy to set-up.

Now you have the power to work the way you always wanted to work! The new RL-VH4 Multi Purpose lasers offer you

three power options for convenience and flexibility: Alkaline, rechargeable and AC run/charge.

The series provides up to twice as many hours of operation from one set of alkaline batteries as other lasers. Four times more visible with the GreenBeam® version. This is the power you need!



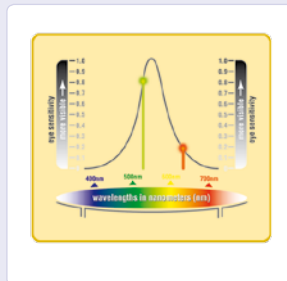
ROTATING LASER	ART. NO
RL-VH4DR *1, 2, 4, 5, 6, 7, 8	Red Beam 313750402
RL-VH4G2 *1, 3, 4, 5, 6, 7, 8	GreenBeam® 313360402

*1) Remote control: RC-40, 2) Detector: LS-80A, 3) Detector: LS-80G, 4) Batteries Rechargeable, 5) Wall mount, 6) Target plate, 7) Charger, 8) Holder for detector



MULTI PURPOSE ROTATING LASER / CROSSLINE LASER

Why Green? – Simple. You can see our GreenBeam® anywhere and under any conditions. It's the most visible construction laser ever! In fact, the RL-VH4G2 GreenBeam® is four times easier to find in bright sunlight than conventional beams.



SPECIFICATIONS*	RL-VH4DR	RL-VH4G2
Accuracy	±2 mm/20 m	±2 mm/20 m
Detecting range	300 m	300 m
Beam type	635 nm red	532 nm green
Laser Class	3R	3R
Water-dust proof	IP54	IP54
Batteries / Operating time	Rechargeable / 45 hrs	Rechargeable / 24 hrs
Detector	LS-80A	LS-80G



RL-VH4DR Package

- **RL-VH4DR – Package**
- Magnetic ceiling target
- RC-40 remote control
- Detector
- Holder for receiver
- Rechargeable battery package
- Professional wall mount
- Carrying case

Automatic Level / Theodolite

AT-B2/AT-B3/AT-B4 – Automatic levels – Three choices... limitless applications. One thing in common: Topcon precision. All AT-B series levels feature a finely tuned magnetic damping system with a superior resistance to cold, heat and shock.

Horizontal angles can be directly read in 1° or 1gon units. Free rotation feature allows you to read any angle from zero.

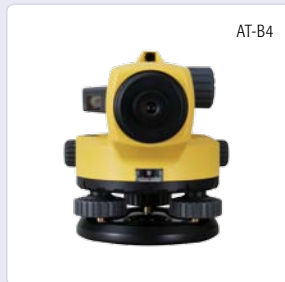
With the IPX6 rating, the instrument is protected against powerful water jets from all directions, meaning the AT-B series withstands a sudden shower or torrential rainfall. The advanced protection design also deters clouding or condensation inside the telescope.



AT-B4

AUTOMATIC LEVEL	ART. NO
AT-B2 *1, 2, 3, 4	2110221A0
AT-B3 *1, 2, 3, 4	2110231A0
AT-B4 *1, 2, 3, 4	2110241A0

*1) Carrying case, 2) Plumb bob, 3) Lens cleaning cloth, 4) Weather protective bag



AT-B4



AUTOMATIC LEVEL / THEODOLITE

THEODOLITE	ART. NO
DT-209	303216241

*1) Carrying case, 2) Plumb bob, 3) Tool kit, 4) Protective cover



SPECIFICATIONS*	AT-B2	AT-B3	AT-B4
Effective diameter lens	42 mm	36 mm	32 mm
Magnification	32x	28x	24x
Field of view (at 100 m)	1°20' (2.3 m)	1°25' (2.5 m)	1°25' (2.5 m)
Minimum focus / Horizontal circle	0,2m / 1°(1g)	0,2m / 1°(1g)	0,2m / 1°(1g)
Working Range	±15'	±15'	±15'
Accuracy	0.7 mm	1.5 mm	2.0mm
Protection against water and dust	IPX6	IPX6	IPX6

DT-209 – Theodolite – With Topcon's DT-209 you'll be up and working fast, thanks to its simple interface and large, easy-to-see backlit LCD. There's an optical plummet that makes set up over a control point easy, and a tilt sensor that provides ±3 minute angle correction. Only Topcon can offer the precision, durability, and advanced technology found in the DT-209.



DT-209

SPECIFICATIONS*	DT-209
Minimum focus	90 cm
Minimum reading	2 mgon / 5 mgon
Accuracy	3.0 mgon
Display	1 side LCD
Compensating range	no
Focusing	0,5 m
Water protection	IP66
Operating time	170 hrs

Product / application matrix

Applications	Construction								Interior						Technic			Finishing						
	Road Construction	House-building	Warehouse Constr	Landscaping	Piping	Roofer	Slope constructions	Earth Moving	Window/Door	Dry-wall construction	Interior decoration	Kitchen / Bathrooms	Exhibition construction	Stairs	Electricians	Sanitary	Heating / Airco	Tiler	Painter	Plasterer	Prelab construction	Renovation	Decorator	
General Construction Page 3																								
RL-H4C	●	●	●	●			●	●													●	●		
Slope Page 4-5																								
RL-SV2S	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		●	●	●		
RL-200 1S	●	●	●	●	●		●	●													●			
RL-200 2S	●	●	●	●	●		●	●													●			
RT-5SW	●	●	●	●	●		●	●													●			
Pipe Page 6																								
TPL-4A	●		●		●																			
TPL-4B	●		●		●																			
TPL-4G	●		●		●																			
TPL-4BG	●		●		●																			
MC Reveivers Page 7																								
LS-B10	●	●	●	●	●		●	●													●			
LS-B10W	●			●				●													●			
LS-B100	●			●				●													●			
LS-B110	●			●				●													●			
LS-B110W	●			●				●													●			
RD-100W	●			●				●													●			
2D Excavator System Page 8																								
X-22	●	●	●	●	●		●	●													●			
Multi-Purpose Page 9																								
RL-VH4 DR		●	●			●			●	●	●	●	●		●	●	●	●		●	●	●		
RL-VH4 G2		●	●			●			●	●	●	●	●		●	●	●	●		●	●	●		
Automatic Level Page 10																								
AT-B2	●	●					●	●													●			
AT-B3	●	●					●	●													●			
AT-B4	●	●					●	●																
Digital Theodolite Page 10																								
DT-209	●						●	●													●			

About Us

With over 80 years worth of experience in the manufacture, distribution and support of products, Topcon is well placed to offer comprehensive support to cater for all your needs.

Established in 1932, Topcon today is represented by a workforce of over 6,000. Topcon develops, manufactures, sells, and provides services for a wide range of high technology products for the capture, analysis and presentation of spatial data in the macro, micro and nano worlds.

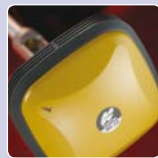


Investment in research and development leading to innovative new solutions and products is key to the Topcon philosophy and is evident in a number of industry firsts that include the first coaxial EDM Total Stations, the GTS-1 and the unique GPT-7000i series imaging Total Stations incorporating digital cameras.

Additionally, Topcon has produced the first and only available mmGPS system, and is the first to offer a true GNSS (Global Navigation Satellite System); dual frequency, dual constellation, GPS plus GLONASS satellite receivers.

Topcon developed inertial sensors to further improve stability with fast blade movements on dozers and motor graders.

Recently Topcon introduced cloud-based management for survey and construction.



www.topcon.eu

Your local authorized Topcon distributor is: