

The Official

# BUILDING & CONSTRUCTION

Catalogue for Trade Professionals

VOLUME  
1

113

E10

003

E08

SPECIALS  
INSIDE (Insert)

Essential for...

GENERAL BUILDERS • CONCRETORS • CONSTRUCTION • LANDSCAPERS • 1st & 2nd FIXERS • CEILING CONTRACTORS  
• KITCHEN INSTALLERS • TILERS • SHOP FITTERS • GLAZIERS • PLASTERERS • ESTIMATORS

Q3L\*

CST/berger

Nikon

Apache  
Technologies

BEAR  
SCIENTIFIC

PRO SHOT  
LASER  
California • USA

SPECTRA  
PRECISION



BOSCH

TROTEC

Ask for **VOLUME 2** & **VOLUME 3** (can be posted or emailed)



## Earthmoving & Trenching



- Pipe Lasers • Single & Dual Grade Lasers
- Tunnel Lasers • 240° & 360° Receivers
- Machine Control • Hydraulics
- Theodolites • Total Stations • Tilt Sensors
- Tripods • Staves • Flagging
- Spray Paint....more



## Surveying Equipment & Accessories



- Prisms • GPS Back Packs
- Ruggedized Field PDA's • GPS Carbon Poles
- Prism Poles & Systems • Tripods • Staves
- Theodolites • GIS/GPS Systems • Hand Held GPS
- Radios • 1st, 2nd Order Levels - Invar Staves
- Surveying Software • Disposable Targets
- Flagging • Nails • Zenith Plummets
- Auto Levels • Map Measurers • Compasses



### Product Brochure Multi Page

(a specific brochure is available on this product via email or post)



– Country of Manufacture



– Manufacturers Warranty



– Automatic Compensator

*Your Guarantee*

Each Laser and Optical instrument is provided with a CALIBRATION CERTIFICATE.  
"Peace of mind"



## Servo Driven Fully Automatic Laser with Slope Matching Capability - Leader of the Pack



*The new Pro-Shot Alpha is the best laser available for commercial sites, concretors & earthmovers. Long range, manual grading & one button operation make it invaluable on a busy site.*

### Features -

- **Horizontal Fully Automatic Self-Levelling** – servo driven
- **Manual Grade/Slope Matching (Single Axis)** – up to 10% in Y-axis, X-axis remains self-levelling. Use the up & down arrows to easily set the laser to your desired grade in the Y-axis
- **600 & 1200rpm selectable rotation speed** – for machine control applications
- **Anti-Drift Height Alert Indicator** – stops rotation if laser height is adjusted once set-up is complete. This feature can be turned on or off
- **Low Battery Indicator**
- **Ask For Comparison Sheet: Alpha vs Topcon/Rugby**

### SPECIFICATIONS

WORKING RANGE	610m+ diameter (with receiver)
ACCURACY	±1.5mm @ 30m
LEVELLING TYPE	servo motor ± 5 degrees
BATTERIES	4 x C cells
OPERATING TIME	100 hrs (Alkaline), 65 hrs (optional NiMH charge kit)
ROTATION SPEEDS	600rpm or 1200 rpm
ENVIRONMENTAL	water & dust proof: IP56
OPERATING TEMP	-10° to 50°C
SLOPE CAPABILITY	single axis manual slope matching up to 10%



Outdoor Use - choose a receiver pages 8 & 9

## Best Value Automatic Single Grade Laser

*The Pro-Shot AS2 brings unmatched value to grading, excavating, sewer line & drainage contractors.*

### Features -

- **Horizontal Fully Automatic Self-Levelling** – servo driven
- **Automatic Dial-In Grade (Single Axis)** – up to 25% in 0.01% increments (1/100 of a %). just set your desired grade in the S-axis and the AS2 will automatically drive the laser line to that slope. X-axis remains self-levelling
- **Anti-Drift Height Alert Indicator** – stops rotation if laser height is adjusted once set-up is complete
- **Low Battery Indicator**
- **Compound Slope Dual Grade Adapter** – gives the AS2 the functionality of a dual grade laser. Optional extra on AS2, standard on AS2M

### SPECIFICATIONS

WORKING RANGE	AS2: 610m+, AS2M: 1000m+ diameter (with receiver)
ACCURACY	AS2: ±2.0mm @ 30m AS2M: ±1.5mm @ 30m
LEVELLING TYPE	servo motor ± 4 degrees
BATTERIES	4 x C cells
OPERATING TIME	AS2: 115 hrs (Alkaline), 95 hrs (optional NiMH charge kit) AS2M: 70 hrs (Alkaline), 55 hrs (optional NiMH charge kit)
ROTATION SPEEDS	AS2: 600rpm, AS2M: 600, 900 & 1200rpm
ENVIRONMENTAL	water & dust proof: IP55
OPERATING TEMP	-20° to 60°C
SLOPE CAPABILITY	single axis fully auto dial-in up to 25% in 0.01% increments



Outdoor Use - choose a receiver pages 8 & 9

Ask about the AS<sup>2</sup> Magnum - longer range - greater accuracy - see Vol





## Our Most Accurate Laser 1.0mm @ 30m



← VM2 see p6

*Unmatched in accuracy and warranty the L4.7 is our best selling laser. Over many years of heavy use in the field it has proven itself to be the reliable choice for the concreting, commercial building and earthmoving industries. No other laser gives as much value, functionality & accuracy as the L4.7 & L4.7 Magnum.*

### Features -

- **Horizontal Automatic Self-Levelling** – with precision compensator
- **Manual Vertical Levelling** – with precision vial. Mount the L4.7 to the optional VM2 or W1 vertical mount (see pg: 6) to set-out string lines, align fence posts or perform any other vertical laser application
- **Manual Grade/Slope Matching (Dual Axis)** – use the built-in manual override to easily set grade with the footscrews for drainage, driveways & other slope applications
- **Levelling Limit Indicator** – stops rotation if the laser is powered on but is not level enough to automatically compensate
- **Low Battery Indicator**



Outdoor Use - choose a receiver pages 8 & 9

### SPECIFICATIONS

WORKING RANGE	460m+ diameter (with receiver)
ACCURACY	±1.0mm @ 30m
LEVELLING TYPE	horiz: precision compensator, vert: precision manual vial
BATTERIES	4 x C cells
OPERATING TIME	110 hrs (Alkaline), 70 hrs (optional NiMH charge kit)
ROTATION SPEED	600rpm
ENVIRONMENTAL	water & dust proof: IP55
OPERATING TEMP	-10° to 50°C
SLOPE CAPABILITY	dual axis manual slope matching



## Big Brother to the L4.7 (Visible Laser Beam)



← W1 see p6

*The Pro-Shot L4.7 Magnum is designed for both interior and exterior use. It boasts all the features and benefits of the L4.7 plus incorporates a highly visible beam for interior fit-outs & ceiling work. The extended working range coupled with the ability to be used in vertical mode also makes this laser the perfect choice for long-range exterior applications such as rural fencing. A built-in automatic plumb beam adds the ability to transfer points from floor to ceiling & can be used for squaring when the unit is used in vertical mode.*

### Features -

- **Horizontal Automatic Self-Levelling** – with precision compensator
- **Manual Vertical Levelling** – with precision vial. Mount the L4.7 Magnum to the optional VM2 or W1 vertical mount (see pg: 6) to set-out string lines, align fence posts or perform any other vertical laser application
- **Very Bright Visible Beam** – perfect for interior use
- **Manual Grade/Slope Matching (Dual Axis)** – use the built-in manual override to easily set grade with the footscrews for drainage, driveways & other slope applications
- **Transfer Plumb Points** – using the built-in plumb beam
- **Squaring** – mount in vertical mode to set out 90° angles using the plumb beam
- **Adjustable Rotation Speed** – 0 to 450rpm. Slow rotation speeds give the beam greater visibility for interior work
- **Manual Beam Pointing** – rotation can be stopped and beam manually turned to transfer points
- **Levelling Limit Indicator** – stops rotation if the laser is powered on but is not level enough to automatically compensate
- **Low Battery Indicator**



Outdoor Use - choose a receiver pages 8 & 9

### SPECIFICATIONS

WORKING RANGE	610m+ diameter (with receiver)
ACCURACY	±1.0mm @ 30m
LEVELLING TYPE	horiz: precision compensator, vert: precision manual vial
BATTERIES	4 x C cells
OPERATING TIME	50 hrs (Alkaline), 35 hrs (optional NiMH charge kit)
ROTATION SPEEDS	0 – 450 rpm
ENVIRONMENTAL	water & dust proof: IP55
OPERATING TEMP	-10° to 50°C
SLOPE CAPABILITY	dual axis manual slope matching

# Pro-Shot *model* L3



## Multi Functional Entry Level (Visible Red Beam)



*The Pro-Shot L3 is a manually levelled horizontal & vertical laser with grade capability up to 4%.*

### Features -

- **Horizontal Manual Levelling** – with precision vials
- **Manual Vertical Levelling** – with precision vial. Mount the L3 to the optional VM2 or W1 vertical mount (see pg: 6) to set-out string lines, align fence posts or perform any other vertical laser application
- **Very Bright Visible Beam** – perfect for interior use
- **Grade Capability (Single Axis)** – built-in precision grade vial with graduations up to 4% in 1% increments
- **Transfer Plumb Points** – using the built-in plumb beam
- **Squaring** – mount in vertical mode to set out 90° angles using the plumb beam
- **Adjustable Rotation Speed** – 0 to 450rpm. Slow rotation speeds give the beam greater visibility for interior work
- **Scan Mode** – selectable beam scan angles can be set, giving the beam greater visibility for interior work & less interference with any other lasers on site
- **Manual Beam Pointing** – rotation can be stopped and beam manually turned to transfer points
- **Low Battery Indicator**



Outdoor Use - choose a receiver pages 8 & 9

### SPECIFICATIONS

WORKING RANGE	200m+ diameter (with receiver)
ACCURACY	±6.0mm @ 30m
LEVELLING TYPE	horiz & vert: precision manual vial
BATTERIES	2 x D cells
OPERATING TIME	70 hrs (Alkaline), 50 hrs (optional NiMH charge kit)
ROTATION SPEEDS	0 – 450 rpm
SCAN ANGLES	15°, 30°, 45°, 90° (approximate)
ENVIRONMENTAL	water & dust resistant
OPERATING TEMP	-10° to 50°C
SLOPE CAPABILITY	single axis with graduations up to 4% in 1% increments

# Pro-Shot *model* L5



## 4 in 1 Automatic Laser - Best Value in Australia (Visible Red Beam)



*The Pro-Shot L5 is a horizontal automatic laser for general building. The L5 does not have grade capability but has all other functions found in lasers twice the price.*

### Features -

- **Horizontal Automatic Self-Levelling** – with precision compensator
- **Manual Vertical Levelling** – with precision vial. Mount the L5 to the optional VM2 or W1 vertical mount (see pg: 6) to set-out string lines, align fence posts or perform any other vertical laser application
- **Very Bright Visible Beam** – perfect for interior use
- **Transfer Plumb Points** – using the built-in plumb beam
- **Squaring** – mount in vertical mode to set out 90° angles using the plumb beam
- **Adjustable Rotation Speed** – 0 to 450rpm. Slow rotation speeds give the beam greater visibility for interior work
- **Scan Mode** – selectable beam scan angles can be set, giving the beam greater visibility for interior work & less interference with any other lasers on site
- **Manual Beam Pointing** – rotation can be stopped and beam manually turned to transfer points
- **Levelling Limit Indicator** – stops rotation if the laser is powered on but is not level enough to automatically compensate
- **Low Battery Indicator**



Outdoor Use - choose a receiver pages 8 & 9

### SPECIFICATIONS

WORKING RANGE	304m+ diameter (with receiver)
ACCURACY	±3.0mm @ 30m
LEVELLING TYPE	horiz: precision compensator, vert: precision manual vial
BATTERIES	2 x D cells
OPERATING TIME	70 hrs (Alkaline), 50 hrs (optional NiMH charge kit)
ROTATION SPEEDS	0 – 450 rpm
SCAN ANGLES	15°, 30°, 45°, 90° (approximate)
ENVIRONMENTAL	water & dust proof: IP55
OPERATING TEMP	-10° to 50°C



## Fully Automatic Horizontal & Vertical (Visible Red Beam)



*The Pro-Shot L6 laser is a fully automatic servo driven highly visible laser designed for interior work. It is the perfect laser for internal fit-outs & ceiling installations with the ability to set rakes and grades in both axes. Simply add a receiver and the L6 can be used outside for all your horizontal levelling and vertical alignment needs.*

### Features -

- **Horizontal Fully Automatic Self-Levelling** – servo driven
- **Vertical Fully Automatic Self-Levelling** – servo driven. Place the L6 on its 3 built-in trivet points or mount to the optional VM2 or W1 vertical mount (see below) to set-out string lines, align fence posts or perform any other vertical laser application
- **Very Bright Visible Beam** – perfect for interior use
- **Manual Grade/Slope Matching (Dual Axis)** – Use the up & down arrows to easily set the laser to your desired grade in both the X & Y axis. 3 grade modes available: X self-levelling - Y slope matching, Y-self-levelling - X slope matching or both axes slope matching
- **Transfer Plumb Points** – using the built-in plumb beam
- **Squaring** – mount in vertical mode to set out 90° angles using the plumb beam
- **Adjustable Rotation Speed** – 0 to 450rpm. Slow rotation speeds give the beam greater visibility for interior work
- **Scan Mode** – selectable beam scan angles can be set, giving the beam greater visibility for interior work & less interference with any other lasers on site
- **Manual Beam Pointing** – rotation can be stopped and beam manually turned to transfer points
- **Anti-Drift Height Alert Indicator** – stops rotation if laser height is adjusted once set-up is complete.
- **Low Battery Indicator**
- **Optional Remote Control** – can operate all functions of the laser

### SPECIFICATIONS

WORKING RANGE	300m+ diameter (with receiver)
ACCURACY	±2.4mm @ 30m
LEVELLING TYPE	servo motor ± 4 degrees
BATTERIES	2 x D cells
OPERATING TIME	65 hrs (Alkaline), 50 hrs (optional NiMH charge kit)
ROTATION SPEEDS	0 - 500 rpm
SCAN ANGLES	15°, 30°, 45°, 90° (approximate)
ENVIRONMENTAL	water & dust resistant: IP54
OPERATING TEMP	-10° to 50°C
SLOPE CAPABILITY	dual axis manual slope matching up to 10%



Outdoor Use - choose a receiver page 8 & 9

## General Laser Accessories for all brands of laser

### model VM2 Vertical Mount

Mounts ANY BRAND laser in vertical mode and is also tripod mountable.



5/8 x 11 Female Thread

### model W1 Wall & Vertical Mount

Mounts ANY BRAND laser on the wall or suspended ceiling with clamps. Can also be used to mount the laser in vertical mode & is tripod mountable



Adjustable vertically

5/8 x 11 Female Thread

# General Accessories

## Laser Glasses

Enhance the visibility of the laser line with either red or blue, good for indoor/outdoor.



Model B-LG & Model B-BLG

## Magnetic Targets



Magnets for suspended ceiling work to enhance laser line.

Model MT

## 2x Hand Level



2x magnification hand level - 6" long, brass construction. 5x magnification also available.

Model C-HL2X or C-HL5X

## Torpedo Level

A precision tool to last a lifetime



- User adjustable bubble (self checking)
- Billet machined Aluminium
- 180mm long
- 45° & 90° bubbles
- Bright laser dot (adjustable for callabration)
- Magnetic base
- Camera thread in base

Model B-TL18

Fits into B-360RB *see below*

## Abney Level

Reading: 0 - 90° & 0 - 100% 5" long



Model C-ABL

## Mini Tripod



Supports small cross/dot lasers. Has male 5/8 x 11 thread & 1/4 x 20 camera thread. Has female 5/8 x 11 thread in base for mounting on a standard tripod. Small & lightweight.

Model B-MINIT



## Plumb Bob

16 oz brass plumb bob

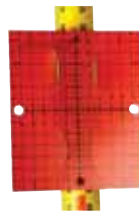
Model PBS



## Plumb Bob Scabbard

All leather belt scabbard to house 14 oz and 16 oz plumb bobs.

Model 16PB



## Laser Reflective Target

Plastic reflective target 75 x 90mm. Fits onto pocket tapes 18, 20 & 25mm wide. Enhances the laser dot or line.

Model C-LRT

## Gammon Reel

7' and 12' available. Retractable cord. Attaches to your plumb bob.

Models GM7 & GM12



## Horizontal Rotational Base

Model B-360RB



Female 5/8 x 11 tripod thread - has 3 levelling screws, bubble, clamp for laser grade mount and TL-18. Horiz circle & clamp.

## Laser Zenith Plummet

- Produces a laser dot both down and up, also includes an optical cross hair.
- Accuracy: Up  $\pm 2.5\text{mm}$  @ 100m  
Down  $\pm 1.0\text{mm}$  @ 1.5m
- Magnification: 25x
- Plate sensitivity: 30"/2mm
- Size of dot: less than 5mm @ 80m
- Mounts on 5/8 x 11 tripod

Model B-LZP



## Trek II

Adjustable height, lightweight monopod that is quickly & easily transformed into a tripod. Laser & optical instruments are connected using a male camera thread (1/4 x 20) attached to a magnetic plate. The Plate is then affixed to the TrekPod II using powerful rare earth magnets & further secured by the MagMount locking system that ensures your instruments safety. Telescopic from 990 to 1460mm.

Fits anywhere, disassembles to only 90cm.

Swivel ball head supports up to 4kg.

Perfect for use with:

- Distance meters
- Line and dot lasers
- Torpedo levels
- Cameras (SLR & Digital)
- Binoculars
- Anything with a female camera thread

Model TT-TREKII



Ask about the micro T'Pod, the TrekPodGO & the whole range of mounts and accessories available to go with your TrekPod

Slide adjustable through 3.6m

## Laser Pole

5 section, 32mm diameter pole, extends to 3.6m. 5/8 x 11 male thread on adjustable platform. Includes carry bag. Fits dot, cross and smaller rotational lasers.

Model LP-12





# General Accessories

## Laser Grade Mount for all brands of lasers

Model B-TA-LGM

### Features -

- Heavy duty anodised aluminium mount for rotational lasers allowing them to be tilted to induce + or – grades using the built-in slow motion screw
- Fine/med thread for small movements
- Built-in bubble
- Dual collimator sights for sighting + and – grades
- Rotational disc with male 5/8 x 11 thread & rotation locking screw
- Thread holes pre-drilled to mount B-LGM-DD digital display adapter (see below)
- Comes with base adapter to mount to rotational base B-360RB (see pg:7)



Side shown on flat tripod



Rear shot

## Optional Digital Display Adapter



Model B-LGM-DD

The digital display adapter attaches to the side of the GRADE MOUNT (above) with screws provided. The jaw plate is adjustable to fit 99% of all digital tilt sensors on the market.

## Sample applications for (Optional) Digital Display Adapter



Grade mount with digital display adapter attached and digital level.



Showing grade mount and digital display adapter with 600mm building digital level.



End shot showing grade mount above and digital display adapter and optional rotational base (B-360RB) Page 7.



Showing typical full system – ready to be mounted on flat tripod – prior to attaching laser. ie. Grade mount, adapter & 360° base



**Q3L**

## LR300 Receiver

Includes Clamp

- Display: 5 channel LCD front & rear
- Reception height: 40mm
- 2 Accuracy Settings
- Audio settings: mute, low, high
- Auto switch off: 10 mins without laser strike
- Built-in vial to ensure receiver is level
- Battery: 9V
- Low battery indicator



**CST/berger**

## LD400 Receiver

Includes Clamp

- Display: 7 channel LCD front & rear
- Reception height: 50mm
- 3 Accuracy settings: 0.75mm, 1.5mm, 3.0mm
- Audio settings: mute, low, high
- Auto switch off: 6 mins without laser strike
- Memory feature, preserves last position of beam
- Battery: 9V
- Low battery indicator

Green beam version available – LD400G





# Laser Receivers for all brands of lasers



## R7 Includes Clamp



- Display: 5 channel LCD front, 3 channel LED rear
- Reception height: 50mm
- 3 Accuracy settings: 0.4mm, 1.6mm, 3.2mm
- Audio settings: mute, low, high
- Auto switch off: 12 mins without laser strike
- Battery: 9V
- Low battery indicator



## Lightning 2

Includes Clamp



- Display: 11 channel LCD front & rear
- Additional 3 colour, 3 channel LED display on front. Easy to read in low light conditions and over long distances
- Reception height: 50mm
- 4 Accuracy settings: 0.1mm, 1.0mm, 2.0mm, 3.0mm
- Audio settings: mute, low, high
- Auto switch off: 30 mins without laser strike
- Strobe light rejection filter: eliminates false readings from job site strobe lights
- Built-in vial on clamp to ensure receiver is level
- Patented reversible mounting jaws on clamp give a vice-like grip on all sizes and shapes of rods, including round and oval
- Battery: 2 x AA
- Low battery indicator
- Water & dust proof: IP67
- "No Excuses" warranty: if it breaks within 2 years we will fix or replace it - "No Excuses"



## Thunder Interior

(Includes lanyard)

- Display: 3 channel LED front
- All specs as per exterior model plus built-in magnets



## Thunder Exterior

Includes Clamp



- Display: 3 channel LCD front
- Reception height: 38mm
- Accuracy: 0.75mm
- Audio settings: mute, low, high
- Auto switch off: 30 mins without laser strike
- Battery: 2 x AA
- Low battery indicator
- Water & dust proof: IP67

*All Apache receivers are totally waterproof and dustproof. Dunk them, scrub them, hose them off. They can take it!!*



## Storm Includes Clamp

**The ultimate receiver – The Laserometer**

- Display: 21 channel LCD front & rear
- Digital readout displays exactly how high or low the laser strike is in mm
- Additional 2 colour, 3 channel Super-Bright LED display on front. Easy to read in low light conditions and over long distances
- Reception height: 127mm
- 6 Accuracy settings: 0.1mm, 0.5mm, 1.0mm, 2.0mm, 5.0mm, 10.0mm
- Audio settings: mute, low, med, high
- Auto switch off selectable: none, 30 mins or 24 hrs without laser strike
- Strobe light rejection filter: eliminates false readings from job site strobe lights
- Built-in vial to ensure receiver is level
- Adjustable sensitivity to laser: low, med, high. Ensures you get the maximum working range out of your laser.

- Remote capture function: remotely acquires and retains a measurement. Useful for taking remote readings when the display cannot be seen. No need for a detachable remote display
- Patented two position rod clamp location: offset position utilises majority of reception area for excavations or driving down to grade
- Protective over molding: provides protection from drops & typical abuse. Allows the STORM to withstand a 3m drop onto concrete
- Patented reversible mounting jaws on clamp give a vice-like grip on all sizes and shapes of rods, including round and oval
- Battery: 2 x AA
- Low battery indicator
- Water & dust proof: IP67
- "No Excuses" warranty: if it breaks within 3 years we will fix or replace it - "No Excuses"

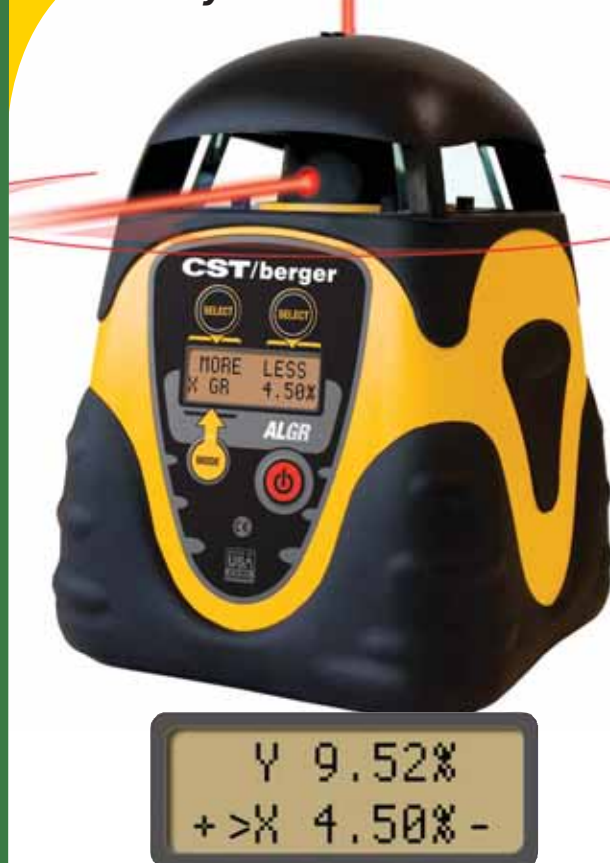


*\* Ask about our trade-in programme on Apache Receivers.*

For 240° & 360° receivers - see



## Fully Automatic Horizontal / Vertical / Dual Grade Laser



### Features -

- **Horizontal Fully Automatic Self-Levelling** – servo driven
- **Vertical Fully Automatic Self-Levelling** – servo driven. Place the ALGR on its handle or mount it directly to a tripod using the built-in female 5/8 x 11 thread to set-out string lines etc
- **Very Bright Visible Beam** – perfect for interior use
- **Automatic Dial-In Grade (Dual Axis)** – -10 to +10% in 0.01% increments (1/100 of a %). Just set your desired grade in both the X & Y axis on the LCD screen & the ALGR will automatically drive the laser line to that slope
- **Transfer Plumb Points** – using the built-in plumb beam
- **Squaring** – mount in vertical mode to set out 90° angles using the plumb beam
- **Adjustable Rotation Speed** – 0 to 1000rpm. Slow rotation speeds give the beam greater visibility for interior work, faster rotation speeds make this unit perfect for machine control applications
- **Scan Mode** – selectable beam scan angles can be set, giving the beam greater visibility for interior work & less interference with any other lasers on site
- **Manual Beam Pointing** – rotation can be stopped and beam positioned using remote control
- **Anti-Drift Height Alert Indicator** – stops rotation if laser height is adjusted once set-up is complete. This feature can be turned on or off
- **Low Battery Indicator**
- **Package Includes** – LD400 receiver & clamp, remote control, carry case & user manual

### SPECIFICATIONS

WORKING RANGE	850m+ diameter (with receiver)
ACCURACY	±1.6mm @ 30m
LEVELLING TYPE	servo motor ± 5 degrees
BATTERIES	4 x D cells
OPERATING TIME	45 hrs (Alkaline), 30 hrs (optional NiMH charge kit)
ROTATION SPEEDS	0 - 1000 rpm
SCAN ANGLES	variable
ENVIRONMENTAL	water & dust proof: IP67
OPERATING TEMP	-18° to 49°C
SLOPE CAPABILITY	dual axis fully automatic dial-in

## Fully Automatic Horizontal / Vertical / Green Beam Interior Laser



**Fully automatic horizontal & vertical laser with an ultra bright green beam & dual slope matching capability. This is a top of the line interior laser that can also be used outdoors with the addition of the optional LD400G receiver.**

### Features -

- **Horizontal Fully Automatic Self-Levelling** – servo driven
- **Vertical Fully Automatic Self-Levelling** – servo driven. Place the ALHV-G on its handle or mount it directly to a tripod using the built-in female 5/8 x 11 thread to set-out string lines, align fence posts or perform any other vertical laser application
- **Very Bright Visible Green Beam** – perfect for interior use
- **Manual Grade/Slope Matching (Dual Axis)** – Use the up, down & sideways arrows to easily set the laser to your desired grade in both the X & Y axis. 2 grade modes available: X self-levelling - Y slope matching or both axes slope matching
- **Transfer Plumb Points** – using the built-in plumb beam
- **Squaring** – mount in vertical mode to set out 90° angles using the plumb beam
- **Adjustable Rotation Speed** – 0 to 1000rpm. Slow rotation speeds give the beam greater visibility for interior work
- **Scan Mode** – selectable beam scan angles can be set, giving the beam greater visibility for interior work & less interference with any other lasers on site
- **Manual Beam Pointing** – rotation can be stopped and beam positioned using the remote control to transfer points

### SPECIFICATIONS

WORKING RANGE	400m+ diameter with LD400G receiver
ACCURACY	±1.6mm @ 30m
LEVELLING TYPE	servo motor ± 5 degrees
BATTERIES	4 x D cells
OPERATING TIME	45 hrs (Alkaline), 30 hrs (NiMH charge kit included)
ROTATION SPEEDS	0 - 1000 rpm
SCAN ANGLES	variable
ENVIRONMENTAL	water & dust proof: IP67
OPERATING TEMP	-18° to 49°C
SLOPE CAPABILITY	dual axis manual slope matching up to 10%

- **Anti-Drift Height Alert Indicator** – stops rotation if laser height is adjusted once set-up is complete. This feature can be turned on or off
- **Low Battery Indicator**
- **Package Includes** – remote control, laser glasses, 2 x magnetic targets, wall mount, NiMH rechargeable battery, charger, carry case & user manual
- **Optional receiver avail.** – LD400G





Fully Automatic Laser with Slope Matching Capability

The AL series electronic rotary lasers are field proven to be construction tough. The ALH is capable of single axis grade matching & is the ideal outdoor laser with its simplistic trouble-free operation, long range and superb accuracy.



- Features -
- **Horizontal Fully Automatic Self-Levelling** – servo driven
  - **Manual Grade/Slope Matching (Single Axis)** – use the up & down arrows to easily set the laser to your desired grade in the Y-axis. 2 grade modes available: X self-levelling - Y slope matching or X manual - Y slope matching
  - **Anti-Drift Height Alert Indicator** – stops rotation if laser height is adjusted once set-up is complete. This feature can be turned on or off
  - **Low Battery Indicator**
  - **Package Includes** – LD400 Receiver & clamp, carry case & user manual

SPECIFICATIONS

WORKING RANGE	850m+ diameter (with receiver)
ACCURACY	±1.6mm @ 30m
LEVELLING TYPE	servo motor ± 5 degrees
BATTERIES	4 x D cells
OPERATING TIME	45 hrs (Alkaline), 30 hrs (optional NiMH charge kit)
ROTATION SPEED	600rpm
ENVIRONMENTAL	water & dust proof: IP67
OPERATING TEMP	-18° to 49°C
SLOPE CAPABILITY	single axis manual slope matching up to 10%



Fully Automatic Horizontal & Vertical Laser

Fully automatic horizontal & vertical laser with dual slope matching capability. Packed full of features, this laser provides maximum flexibility for both indoor & outdoor applications.



- Features -
- **Horizontal Fully Automatic Self-Levelling** – servo driven
  - **Vertical Fully Automatic Self-Levelling** – servo driven. Place the ALHV on its handle or mount it directly to a tripod using the built-in female 5/8 x 11 thread to set-out string lines, align fence posts or perform any other vertical laser application
  - **Very Bright Visible Beam** – perfect for interior use
  - **Manual Grade/Slope Matching (Dual Axis)** – Use the up, down & sideways arrows to easily set the laser to your desired grade in both the X & Y axis. 2 grade modes available: X self-levelling - Y slope matching or both axes slope matching
  - **Transfer Plumb Points** – using the built-in plumb beam
  - **Squaring** – mount in vertical mode to set out 90° angles using the plumb beam
  - **Adjustable Rotation Speed** – 0 to 1000rpm. Slow rotation speeds give the beam greater visibility for interior work
  - **Scan Mode** – selectable beam scan angles can be set, giving the beam greater visibility for interior work & less interference with any other lasers on site
  - **Manual Beam Pointing** – rotation can be stopped and beam positioned using the remote control to transfer points
  - **Anti-Drift Height Alert Indicator** – stops rotation if laser height is adjusted once set-up is complete. This feature can be turned on or off

SPECIFICATIONS

WORKING RANGE	850m+ diameter (with receiver)
ACCURACY	±1.6mm @ 30m
LEVELLING TYPE	servo motor ± 5 degrees
BATTERIES	4 x D cells
OPERATING TIME	45 hrs (Alkaline), 30 hrs (optional NiMH charge kit)
ROTATION SPEEDS	0 - 1000 rpm
SCAN ANGLES	variable
ENVIRONMENTAL	water & dust proof: IP67
OPERATING TEMP	-18° to 49°C
SLOPE CAPABILITY	dual axis manual slope matching up to 10%

- **Low Battery Indicator**
- **Package Includes** – remote control, laser glasses, 2 x magnetic targets, wall mount, carry case & user manual



Vertical Self Leveling - with laydown positioning

Down Beam Position Mode - Automatically positions beam +90°



Outdoor Use - choose a receiver pages 8 & 9



## Fully Automatic Horizontal Laser

*The QL320HS is a fully automatic horizontal laser with dual axis slope matching capability & extremely rugged construction.*

Features -

- **Horizontal Fully Automatic Self-Levelling** – servo driven
- **Manual Grade/Slope Matching (Dual Axis)** – Use the up & down arrows to easily set the laser to your desired grade in both the X & Y axis
- **Extremely Robust Construction** – specially formulated plastic housing & large, solid brass levelling gears make this one of the most rugged units in its market
- **Anti-Drift Height Alert Indicator** – stops rotation if laser height is adjusted once set-up is complete
- **Low Battery Indicator**



### SPECIFICATIONS

WORKING RANGE	500m+ diameter (with receiver)
ACCURACY	±1.8mm @ 30m
LEVELLING TYPE	servo motor ±12%
BATTERIES	4 x D cells
OPERATING TIME	60 hrs (Alkaline)
ROTATION SPEED	600rpm
ENVIRONMENTAL	water & dust proof: IP65
OPERATING TEMP	-20° to 50°C
SLOPE CAPABILITY	dual axis manual slope matching up to 12%



Outdoor Use - choose a receiver  
pages 8 & 9

## Fully Automatic Horizontal & Vertical Laser with Bright Visible Beam

*The QL320HVV is a fully automatic horizontal & Vertical laser with dual axis slope matching capability, extremely rugged construction & a bright visible beam making it perfect for both indoor & outdoor applications.*

Features -

- **Horizontal Fully Automatic Self-Levelling** – servo driven
- **Vertical Fully Automatic Self-Levelling** – servo driven. Place the QL320HVV on its 3 built-in trivet points or mount to the optional VM2 or W1 vertical mount (see pg: 6) to set-out string lines, align fence posts or perform any other vertical laser application
- **Very Bright Visible Beam** – perfect for interior use
- **Manual Grade/Slope Matching (Dual Axis)** – Use the up & down arrows to easily set the laser to your desired grade in both the X & Y axis
- **Transfer Plumb Points** – using the built-in plumb beam
- **Squaring** – mount in vertical mode to set out 90° angles using the plumb beam
- **Permanent Laser Spot** – rotation can be stopped to give a permanent laser dot rather than a line
- **Scan Mode** – selectable beam scan angles can be set, giving the beam greater visibility for interior work & less interference with any other lasers on site
- **Extremely Robust Construction** – specially formulated plastic housing & large, solid brass levelling gears make this one of the most rugged units in its market
- **Anti-Drift Height Alert Indicator** – stops rotation if laser height is adjusted once set-up is complete. This feature can be turned on or off



### SPECIFICATIONS

WORKING RANGE	500m+ diameter (with receiver)
ACCURACY	±1.8mm @ 30m
LEVELLING TYPE	servo motor ±12%
BATTERIES	4 x D cells
OPERATING TIME	35 hrs (Alkaline)
ROTATION SPEEDS	0 & 600rpm
SCAN ANGLES	variable
ENVIRONMENTAL	water & dust proof: IP65
OPERATING TEMP	-20° to 50°C
SLOPE CAPABILITY	dual axis manual slope matching up to 12%

- **Low Battery Indicator**
- **Optional Remote Control** – can operate all functions of the laser. Comes in short (30m) and long (100m) range versions



Remote Control  
Model RC320



Outdoor Use -  
choose a receiver pages 8 & 9



## Model **MP5** Fully Automatic 5 Beam Dot Laser



- Level, plumb (up & down), square (left & right)
- Accuracy: 2mm @ 10m
- Working Range: 30m+
- Bright Dots: 5 independent diodes
- Leveling range:  $\pm 5^\circ$
- Out of level sensor – beams flash if laser is powered on but is not level enough to automatically compensate
- Robust Construction
- Rubberised Armour
- Compensator lock for transporting
- Batteries: 3 x AA (Alkaline)
- Includes: carry bag, tripod/magnetic mount, target & trivet stand



## Model **MP3** Fully Automatic 3 Beam Dot Laser

- Level, plumb (up & down)
- Accuracy: 2mm @ 10m
- Working Range: 30m+
- Bright Dots: 3 independent diodes
- Leveling range:  $\pm 5^\circ$
- Out of level sensor – beams flash if laser is powered on but is not level enough to automatically compensate
- Robust Construction
- Rubberised Armour
- Water Resistant: IP54
- Batteries: 3 x AA (Alkaline)
- Includes: carry bag, tripod/magnetic mount & target



## Model **ILM-XT** Cross Laser

- Produces Horizontal & Vertical Line to make a cross
- Accuracy: 2.8mm @ 10m
- Working Range: 30m+
- Leveling range:  $\pm 5^\circ$
- Out of level sensor – beams flash if laser is powered on but is not level enough to automatically compensate
- Robust Construction
- Rubberised Armour



## Model **LM2**

### 90° Line Laser

#### *Perfect Square set out tool*

- Range up to 20m
- Manually levelled with built-in levelling feet
- Trade strength metal base
- Produces two laser lines



*The LL6 is a great ALL ROUNDER with 6 bright beams for interior set-out work. It also features a pulsed laser & receiver for use outdoors in bright conditions.*

**Features –**

- Emits 6 beams:
  - 1 x horizontal line
  - 4 x vertical lines at 90° to each other
  - 1 x plumb down point
- Vertical lines wrap around to ceiling to produce plumb cross
- Accuracy: 2mm @ 10m
- Working Range: 45m+ with receiver
- Pulsed laser mode & receiver included for outdoor work
- Horizontal slow motion tangent screw for accurate alignment of vertical beams
- Leveling range:  $\pm 3^\circ$
- Out of level sensor – beams flash if laser is powered on but is not level enough to automatically compensate
- Compensator lock for transporting
- Low battery indicator
- Batteries: 3 x AA (Alkaline)
- Includes: carry case, laser glasses, receiver & clamp

**SPECIFICATIONS**

WORKING RANGE	30m+ visible, 45m+ with receiver
ACCURACY	$\pm 2\text{mm} @ 10\text{m}$
LEVELLING TYPE	magnetically dampened compensator
BATTERIES	3 x AA (Alkaline)
ENVIRONMENTAL	water & dust resistant



**Pulsed Laser**



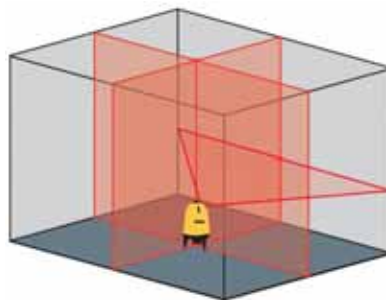
Setting out right angles on slab.



Simple to use buttons for turning on and off lines and dot to conserve power when all lines are not needed.



The LL6 can be mounted on any 5/8 x 11 tripod. Shown here on the new B-MFT (see pg: 21). The plumb dot passes through the centre down to the ground and the height of the instrument is fully adjustable up & down.



LL6 complete package.



The LL6 package includes a receiver & clamp enabling the laser to be used outdoors for horizontal levelling and setting out right-angles.



# Measuring Tools

## Model LM-30

**CST/berger**



**LM30 Personal Laser Measurer – Small, lightweight & accurate**

### Features:

- Range: 30m
- Accuracy:  $\pm 2$ mm
- Resolution: 1mm
- Calculate area, volume & length
- Add & subtract measurements
- 2 measuring positions:
- Front
- Rear
- Measurements per set of batteries: 2000+
- Battery: 9V
- Auto shut-off: 1min after last key stroke
- Weight: 180g
- Size: 121mm (H) x 64mm(W) x 32mm(D)

## Model DLE50



**BOSCH**



### Features:

- Range: 50m
- Accuracy:  $\pm 1.5$ mm
- Resolution: 1mm
- Calculate area, volume & length
- Pythagoras theorem for indirect height measurement
- Add & subtract measurements
- Continuous measurement mode
- 4 measuring positions:
- Front
- Rear
- Camera thread
- Rear probe for corner to corner measurements
- Measurements per set of batteries: 30000+
- Battery: 4 x AAA (Alkaline)
- Auto shut-off: 5mins after last key stroke
- Water & dust resistant: IP54
- Size: 100mm (H) x 58mm(W) x 32mm(D)
- Weight: 180g

## Model DLE150

**Professional**



**BOSCH**



**Accurate, Robust Professional Laser Rangefinder - Metric & Imperial**

### Features:

- Range: 150m
- Accuracy:  $\pm 2$ mm
- Resolution: 1mm
- Calculate area, volume & length
- Pythagoras theorem for indirect height measurement
- Add & subtract measurements
- Continuous measurement mode with min/max display feature
- Extendable base for corner to corner measurements
- Recall last 20 measurements
- Level vial included
- Measurements per set of batteries: 30000+
- Battery: 4 x AA (Alkaline)
- Auto shut-off: 5mins after last key stroke
- Water & dust resistant: IP54
- Size: 170mm (H) x 68mm(W) x 45mm(D)
- Weight: 430g
- Optional 4 x magnification scope for OUTDOOR WORK



## Model LT-160



**CST/berger**

- Range: 60m
- Accuracy:  $\pm 1.5$ mm
- Resolution: 1mm
- Calculate area, volume & length
- 2 & 3 line Pythagoras theorem for indirect height measurement
- Add & subtract measurements
- Continuous measurement mode with min/max display feature
- Stake out mode
- 3 measuring positions: • Front • Rear
- Rear probe for corner to corner measurements
- Recall last 10 measurements
- Backlit LCD
- Audible measurement indicator
- Measurements per set of batteries: 5000+
- Battery: 2 x AAA (Alkaline)
- Auto shut-off: 3mins after last key stroke
- Water & dust resistant: IP54
- Size: 112mm (H) x 53mm(W) x 26mm(D)
- Weight: 100g



## Model B-Digiwheel



- Large LCD display (ideal for outdoors)
- True wall to wall measurements
- Stores up to 8 different measurements
- Measures up to 9999.99 km
- Steel shaft with enclosed ball bearing
- Telescopic handle 780mm (retracted)
- Easy to use KICK STAND
- 2 x AA batteries (Alkaline) up to 720 hrs use
- Area measurement: up to 9999.99 ha
- Display resolution down to 1cm makes this wheel suitable for shorter measurement distances
- Weight 1.5kg
- Auto shut off 5 mins
- Diameter of wheel = 290mm
- Selectable units



## Model B-LMW



- Mechanical measuring wheel
- Large easy to read display
- Hand or foot reset lever
- Display reads up to 9999.99 metres
- Indicator on wheel allows for wall to wall measurements
- Handle has brake trigger
- High quality spring loaded kick stand
- Strong release clip which folds handle in half
- Display resolution down to 1cm makes this wheel suitable for shorter measurement distances
- Diameter of wheel = 320mm



# Theodolites & Total Stations

**CST/berger**

Model **DGT-10**



## 10" Electronic Digital Theodolite

Features –

- Dual LCD display
- Vertical angles displayed in degrees & %
- Horizontal zero set button
- 30x scope
- Optical plummet (self-checking)
- Single axis tilt sensor
- Measures angles left & right
- Batteries: 4 x AA (alkaline)
- Detachable tribrach



Model **NE-100**

## 10" Electronic Digital Theodolite

Features –

- Single face backlit LCD display
- Vertical angles displayed in degrees & %
- Horizontal zero set button
- 30x scope (illuminated)
- Optical plummet (self-checking)
- Single axis tilt sensor
- Measures angles left & right
- Water & dust resistant
- Batteries: 6 x AA (alkaline)
- Detachable tribrach



**CST/berger**

Model **CST205**

## 10" Electronic Digital Total Station

Features –

- Large dual LCD display
- Alpha-numeric keypad
- 30x scope
- Optical plummet (self-checking)
- Single axis tilt sensor
- EDM accuracy:  $\pm (2 + 2\text{ppm} \times D)\text{mm}$
- EDM range:
  - 1 prism = 1600m
  - 3 prisms = up to 2500m
- On-board survey software
- 10000 point storage
- Interfaces with Archer, Recon, Nomad & other devices via RS232
- Batteries: NiMH rechargeable



## Model **Focus 4** 10" Electronic Digital Reflectorless Total Station

Features –

- Single face LCD display
- 26x scope
- Optical plummet (self-checking)
- Single axis tilt sensor
- EDM accuracy:
  - with single prism =  $\pm (3 + 2\text{ppm} \times D)\text{mm}$
  - reflectorless =  $\pm (5 + 2\text{ppm} \times D)\text{mm}$
- EDM range:
  - with single prism = 5000m
  - with reflector sheet = 300m
  - reflectorless = 100m
- On-board survey software
- 10000 point storage
- Interfaces with Archer, Recon, Nomad & other devices via RS232
- Water resistant: IPX4
- Batteries: NiMH rechargeable



*Note:* Now available model **CST-205R reflectorless** to 200m





## Models B-26x & B-32x Automatic Level



### SPECIFICATIONS

ACCURACY	1.5mm for 1km double run. 1mm @ 50m
LEVELLING TYPE	magnetically dampened compensator, wire hung
MAGNIFICATION	26x, 32x
OBJECTIVE LENS	40mm diameter
SETTING ACCURACY	± 0.5"
STADIA RATIO	1:100
ANGULAR ACCURACY	1° horizontal circle
ENVIRONMENTAL	water & dust resistant: IP54
OPERATING TEMP	-10° to 50°C

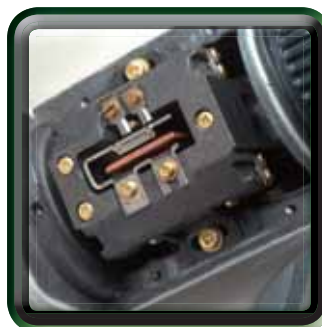


Case sealed against water and dust



The heart of the Bear Auto Level - years of trouble free service

The magnetically dampened compensator - precise, yet rugged design



## AE-7 Automatic Level

Nikon has 5 models in their range – call for



Model AE-7

### Features:

- Brilliant optics
- 30x magnification
- Accuracy ± 1.0mm
- Optional parallel plate micrometer



## Level Transit

*Ideal for fence alignment, trenches & for laying pipes.*

### Features –

- Precision manual levelling vial
- All brass vertical & horizontal tangent & locking screws
- Tilting scope (±45°) for vertical alignment and angle measurement
- 360° horizontal circle with vernier for turning angles
- Magnification: 20x
- Stadia ratio = 1:100

Model B-LT



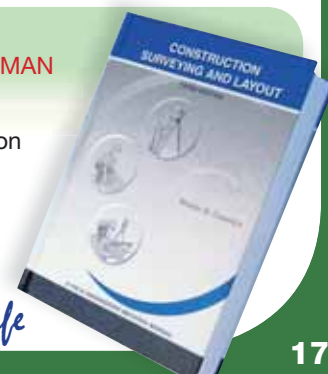
## Construction Surveying & Layout Manual

This book is intended for those who are learning or performing surveying field measurement and layout processes. It is suitable for technical and college-level courses in construction sciences, building construction and civil engineering and is recommended as a reference for contractors, construction management, engineering, architectural and design build firms. Anyone who is involved in construction should have this as a resource available for its common sense approach to surveying and layout activities.

- Over 100 step by step surveying and calculating processes
- Over 1400 in depth illustrations
- 500 additional questions and problems
- Nearly 100 field and office exercises
- Identifying mistakes and errors
- Over 750 pages

*A Reference for Life*

Model SURV-MAN



Another great product from...  
**BEAR**  
SCIENTIFIC  
Worldwide Patent Pending

## Genno Rod<sup>TM</sup> Two Rods in One

on the front  
**Direct Reading cut & fill** + on the back  
**Conventional Rod**

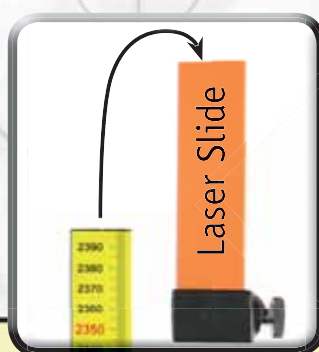
use with **LASER** & **OPTICAL**  
instruments instruments

*Advantages for you..*

- 1 No Math = zero mistakes  
Cut/ Fill & Direct Reading Rod
- 2 Conventional Rod  
On reverse side for rise & fall
- 3 Extends to 3.7m (12ft)

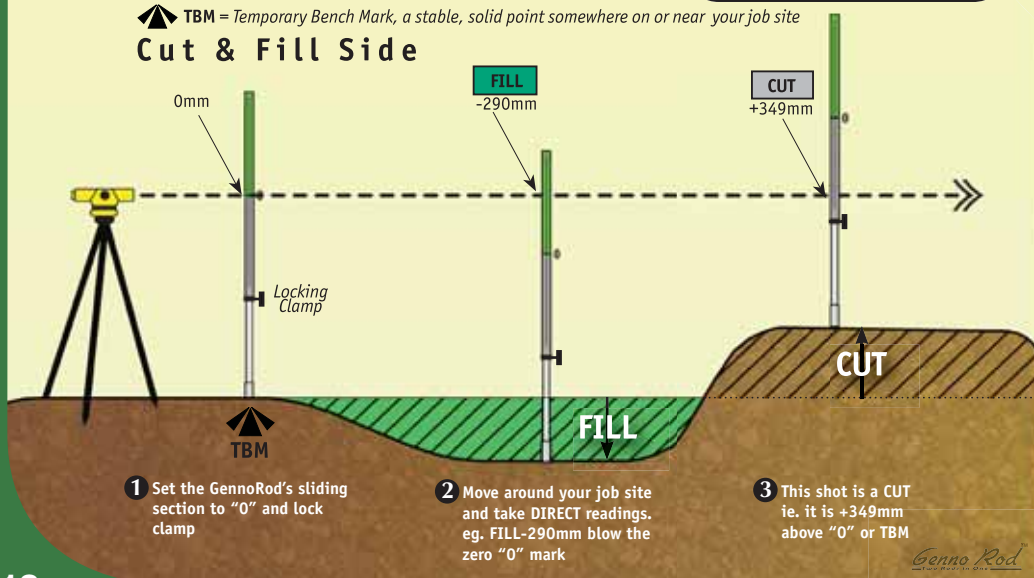
*Applications*

✦ Site works ✦ Drainage ✦ Decking ✦ Concrete slabs  
✦ Earthworks ✦ Setting grade ✦ General building ✦ Extensions



▲ TBM = Temporary Bench Mark, a stable, solid point somewhere on or near your job site

**Cut & Fill Side**



Front Back

Model B-GENNO

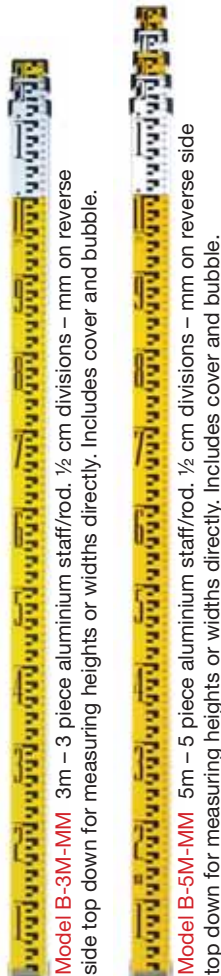
Telescopic Cut and Fill Section Working range 950mm to 1898mm

With Snap In Extension Total Height is 3700mm

Use as a Conventional Rod Working range 0mm to 3700mm



# Staves & Height Rods



**Model B-3M-MM** 3m - 3 piece aluminium staff/rod. 1/2 cm divisions - mm on reverse side top down for measuring heights or widths directly. Includes cover and bubble.



**Model B-5M-MM** 5m - 5 piece aluminium staff/rod. 1/2 cm divisions - mm on reverse side top down for measuring heights or widths directly. Includes cover and bubble.



**Model B-5M-E** 5m - 5 piece aluminium staff/rod. 1cm (E) divisions - mm on reverse side top down for measuring heights or widths directly. Includes cover and bubble.



**Model CR-F5.0m** 5m - 5 piece fibreglass staff/rod. 1cm (E) divisions - 1/2cm on reverse side top down for measuring heights or widths directly.



**Model CR-F7.6m** 7.6m - 6 piece fibreglass staff/rod. 1cm (E) divisions - 1/2cm on reverse side top down for measuring heights or widths directly.



**GENNO ROD Model B-GENNO** Two rods in one. Extended height 3.7m. Cut & fill on front, conventional rod on back, all in mm. Includes carry bag and bubble. (see pg: 18)



Reverse side - conventional rod: zero at bottom, graduated in mm to 3.7m (using extension section).



**Model B-TT5MC**  
Size 5m only  
The B-TT5MC (metal clamps) incorporates a positive locking screw for each section & a mm tape display that measures internal or external measurements. The red line measures under the side of the 5mm end cap, the green line measures outside of the cap. Includes carry case & horizontal bubble. Total length in closed position is 1040mm. The B-TT5MC & B-TT3M/5M/10M are all made in Europe of the highest quality aluminium & machined parts.



SIZES: 3m, 5m & 10m

**Made in Europe**



Any brand of receiver can be attached to either the B-TT5MC (shown) or the B-TT5M using the laser receiver adapter B-TTLRA.

Similar to MABO style rod

The B-TT5M and B-TT3M have self locking sections, use a mm internal tape that displays both internal and external measurements. Includes carry case and horizontal and vertical bubble. The B-TT10M in closed position is 1650mm the B-TT5M in closed position is 990mm and the B-TT3M in closed position is 660mm.



Receiver adapter for TT5MC and TT5M/3m. Uses similar to MABO style rod.

**Model B-TTLRA for**



Male 5/8 x 11 adapter for TT5MC & TT3M/5M/10M. Fits any female 5/8 x 11 thread. Ideal for mounting prisms or GPS antennae.

**Model B-TT5/8A**



(Pack of 2) screw in 50mm long metal tips for measuring corner to corner with the B-TT5MC or B-TT5M/3m. Simply add the tips to top and bottom of pole and add 100mm to the measurement.

**Model B-TTTIPS**

Male 5/8 x 11 adapter for CR-F7.6M & CR-F5.0M fibreglass staves. Adjustable clamp. Fits and female 5/8 x 11 thread. Ideal for mounting prisms or GPS antennae.

**Model CR-PMA**



5/8 x 11 male adapter for any telescopic aluminium staff - adjustable clamp, e.g. mounting prisms/ antenna.



**Model B-SPMA**

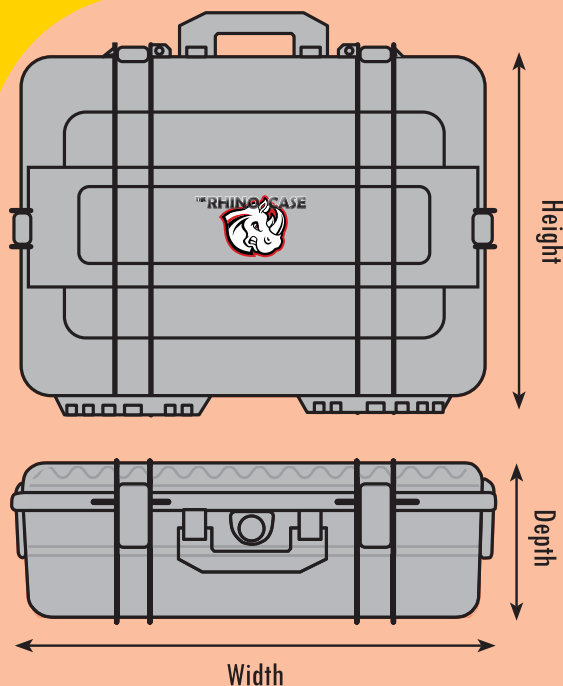


**Model B-SBC**



**Model B-HDSB**

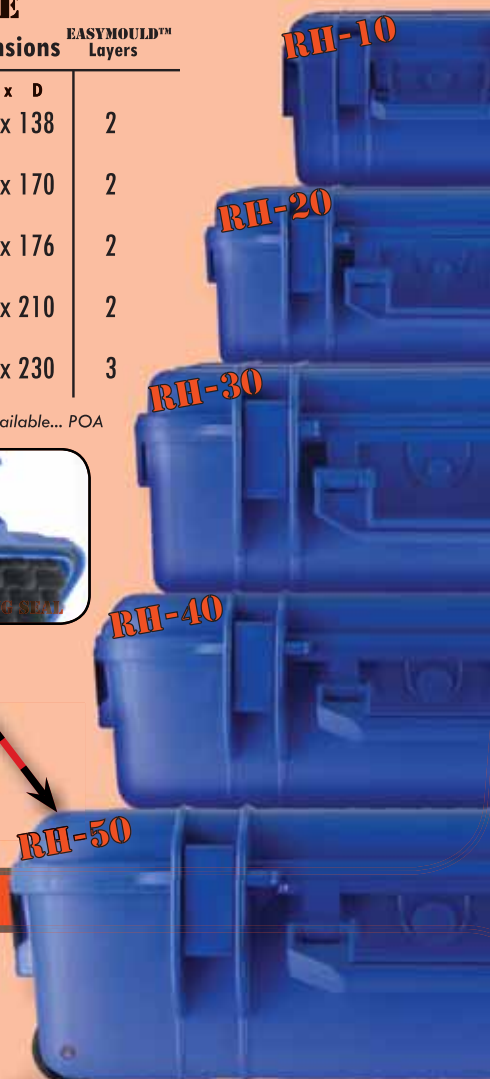
All metal, heavy duty, adjustable staff/rod bubble.



### MODELS AVAILABLE

Model	Ext. Dimensions	Int. Dimensions	EASYMOULD™ Layers
	W x H x D	W x H x D	
RH-10	277 x 227 x 153	253 x 183 x 138	2
RH-20	456 x 372 x 185	421 x 292 x 170	2
RH-30	515 x 434 x 199	477 x 357 x 176	2
RH-40	600 x 430 x 230	590 x 400 x 210	2
RH-50	720 x 470 x 260	680 x 430 x 230	3

Standard Colour: Electric Blue Other sizes and colours available... POA



## FEATURES

- Shoulder strap
- High Impact ABS Construction
- EasyMould™ Foam
- IP67 O-ring Seal
- Stainless Steel hinges
- Pressure Valve
- Over Moulded Clips
- Lockable
- Lifetime Parts Warranty

## OPTIONAL CUSTOMIZED FOAM

Alternative Foams for Quantity Purchases



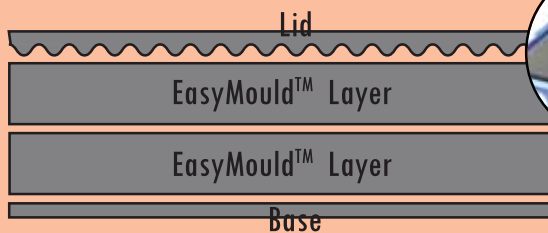
Using our CNC router we can custom cut specialised foams to fit your equipment. Two types of foam are available, Anti-shock Polyethylene or Flame Retardant

Anti Static foam (FRAS) meets FAA, FRA25, MVSS, ASTM, UL94 and ASTM Standards.

**Call for a Quote**

## THE EASYMOULD™ SYSTEM†

Using the EasyMould™ System any Rhino case can be easily and quickly customised to hold its contents safely and securely.



With EasyMould™ it's easy to create custom cases for just about anything! Simply pull the foam blocks out to create the shape you want.



† Cases are also available without EasyMould Foam at a reduced cost





# Tripods

## Heavy Duty Survey Grade Quality

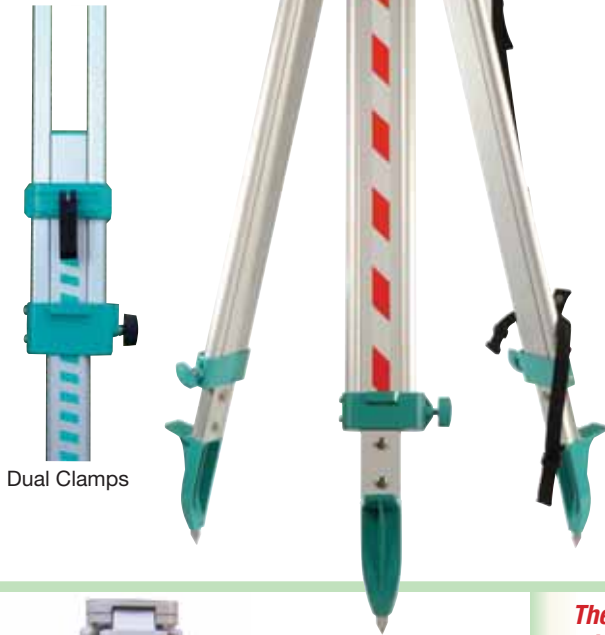


### Aluminium Tripods

*The Bear range of tripods are ALL heavy duty, robust and stable: unique features for Australian conditions.*

Features:

- Dual clamping systems – quick clamp and wing nut – doubles the life of the tripod.
- Large Flat or Domed head
- Safety stripes for high visibility
- Chains support all 3 legs
- Carry strap with quick release latch



Dual Clamps

Model B-HD-D

Model B-HD-F

### Heavy duty flat head wooden tripod.

Features:

- 1" dia dowels to support all total stations and robotics
- All die cast aluminium hardware
- Conventional wing nut clamps
- All replaceable parts
- Carry strap and easy latch lock
- Centred slot to carry by hand

Model B-HD-W

### The Trimax™ is a composite tripod with round flat head.

Features:

- Our most stable tripod
- Quick clamp system (adjustable)
- Each tripod has a serial number for QA

- Only tripod in Australia with a 5 year warranty



Model CR-TriMax

### Heavy duty telescopic tripod.

Features –

- Flat Head
- Telescopic centre laser platform with 530mm of adjustment
- Maximum height with legs & crank fully extended: 3030mm
- Perfect for machine control applications where large elevation of instrument is required
- Dual quick clamp system
- Safety chains & stripes
- Aluminium strut leg supports
- Height when fully closed: 1700mm



Model B-HD-T

### Heavy duty MULTI FUNCTION tripod, ideal for internal and external work.

Features:

- Telescopic centre rod – range 450mm
- Flat head – 5/8 x 11 male thread
- Large support disc for all laser, optical instruments
- Safety chains
- 2 types of points – indoor (rubber), outdoor (steel points)

Multi feet incl.



Model B-MFT

### Lightweight aluminium collapsible tripod to hold staves, poles & rods

Features:

- Twist-lock telescopic legs – closed = 770mm, open = 1200mm
- Ball-type head to maneuver clamp
- Designed to hold staves, rods, poles etc



Model B-LWT

# Moisture Meters



**Using the resistance method the T60 determines moisture in wood, plaster etc.**

- Measuring range 6 – 44%.
- Probes 8mm. Simple and affordable.

Model TRO-T60



**Moisture meter for wood, plaster board, gyprock.**

- Choose from 100 wood types
- Large LCD showing real time temperature and predefined temperature

Model TRO-T500



**Thermohygrometer.**

- Measures air humidity and air temperature
- Set min and max values
- Large LCD and freeze function
- Ideal for air conditioning, storage areas and laboratories

Model TRO-T2



**Moisture meter – surface moisture.**

- Determines moisture distributions up to 40mm away from surface
- Detects damp and dry wall floor areas
- Moisture alarm
- Ideal for concrete slabs

Model T650



**Top of the line multi functional sensor with large choice of probes.**

- Wood moisture
- Air humidity
- Dew point
- Surface temperature
- Air flow
- Location of leaks

Model T2000K



**Infrared thermometer.**

- Temperature range -35°C to 800°C
- Optical resolution of 12:1
- Dual lasers
- Clear LCD – backlit
- Display to 0.1°C
- ± 1% or ± 1°C

Model TRO-BP20

Ask for our 20 page Trotec brochure for all details. Also technical brochure available on moisture meters and T2000 (some 60 pages)



## Trade Tough 8m (32mm Blade)

- SELF LOCKING (won't catch your fingers)
- DOUBLE SIDED (32MM) BLADE
- MAGNETIC DOUBLE END HOOK
- NYLON COATED BLADE (double life)
- EXTRA LONG STANDOUT (+3M)
- TRUE ZERO END HOOK

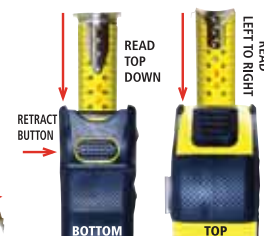
Model B-8M

- 4 RIVET REINFORCED HOOK
- SOFT ARMORIZED GRIP
- TWO RETRACT BUTTONS



**RIGID BLADE**

3300 +



## CST/berger Pipe Laser



Model LMPL-20



## Q3L Mini Pipe Laser

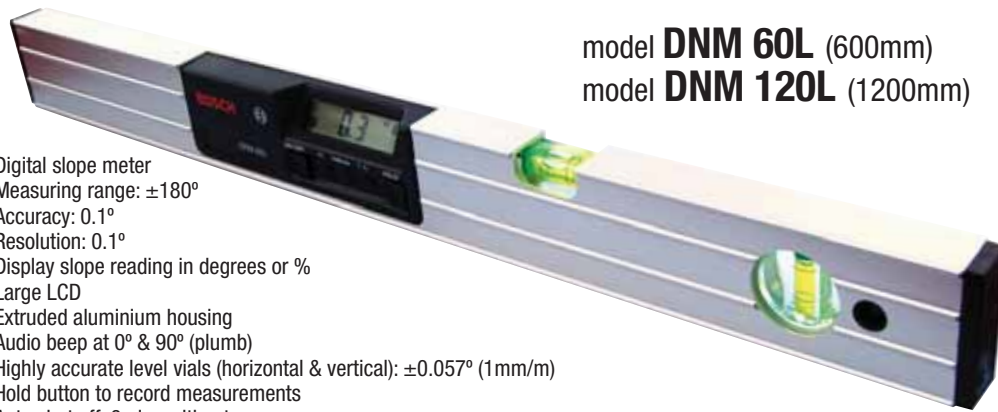
Model QL125



Ask for 2 for full details on Pipe Lasers



# Angle & Slope Measuring



model **DNM 60L** (600mm)  
model **DNM 120L** (1200mm)

- Digital slope meter
- Measuring range:  $\pm 180^\circ$
- Accuracy:  $0.1^\circ$
- Resolution:  $0.1^\circ$
- Display slope reading in degrees or %
- Large LCD
- Extruded aluminium housing
- Audio beep at  $0^\circ$  &  $90^\circ$  (plumb)
- Highly accurate level vials (horizontal & vertical):  $\pm 0.057^\circ$  (1mm/m)
- Hold button to record measurements
- Auto shut off: 6mins without use
- Easy to calibrate



Slope in percent



Slope in degrees

## Digital Mitre/Angle Finder



- 3 in 1 digital angle finder, compound cut calculator & spirit level
  - Measuring range:  $0^\circ$  to  $220^\circ$ 
    - Accuracy:  $0.1^\circ$
    - Resolution:  $0.1^\circ$
    - Large LCD
  - Highly accurate level vials (horizontal & vertical):  $\pm 0.057^\circ$  (1mm/m)
- Hold button to record angles
- Auto shut off: 5mins without use
- Arm length: 400mm
- Extension arm length: 320mm



## Level Box

Model B-LB

- Digital slope meter
- Measuring range:  $\pm 180^\circ$
- Accuracy:  $0.1^\circ$
- Resolution:  $0.1^\circ$
- 3 strong magnets in base
- Large LCD
- Highly accurate level vial
- Hold button to record measurements
- Measures both absolute & relative angles
- Battery life: 2000hrs+
- Size: 64mm (H) x 50mm (W) x 33mm (D)
- Conversion chart from degrees to % included

## ANGPRO Model B-ANGPRO

- Digital angle finder
- Measuring range  $0^\circ$  to  $180^\circ$
- Accuracy:  $0.1^\circ$
- Resolution:  $0.1^\circ$
- Hold button to record measurements
- Measures both absolute & relative angles
- Battery life: 2000hrs+
- Arm length: 250mm
- Arm length with extension: 300mm
- Conversion chart from degrees to % included
- Digital angle finder
- Measuring range  $-45^\circ$  to  $180^\circ$
- Accuracy:  $0.05^\circ$
- Resolution:  $0.1^\circ$
- Large LCD
- Highly accurate level vial
- Hold button to record measurements
- Measures both absolute & relative angles
- Battery life: 2000hrs+
- Arm length: 260mm
- Conversion chart from degrees to % included



## Digital Angle Finder

Model B-DAF

- Accuracy  $0.1$  degrees
- Resolution  $0.05$  degrees
- Large LCD
- Tight accurate level bubble
- Measure both absolute and relative angles
- 2000 hours battery life
- Size 260mm long measuring blade
- Metal blade can be locked in position
- Conversion chart from deg to % included



## Digital Protractor

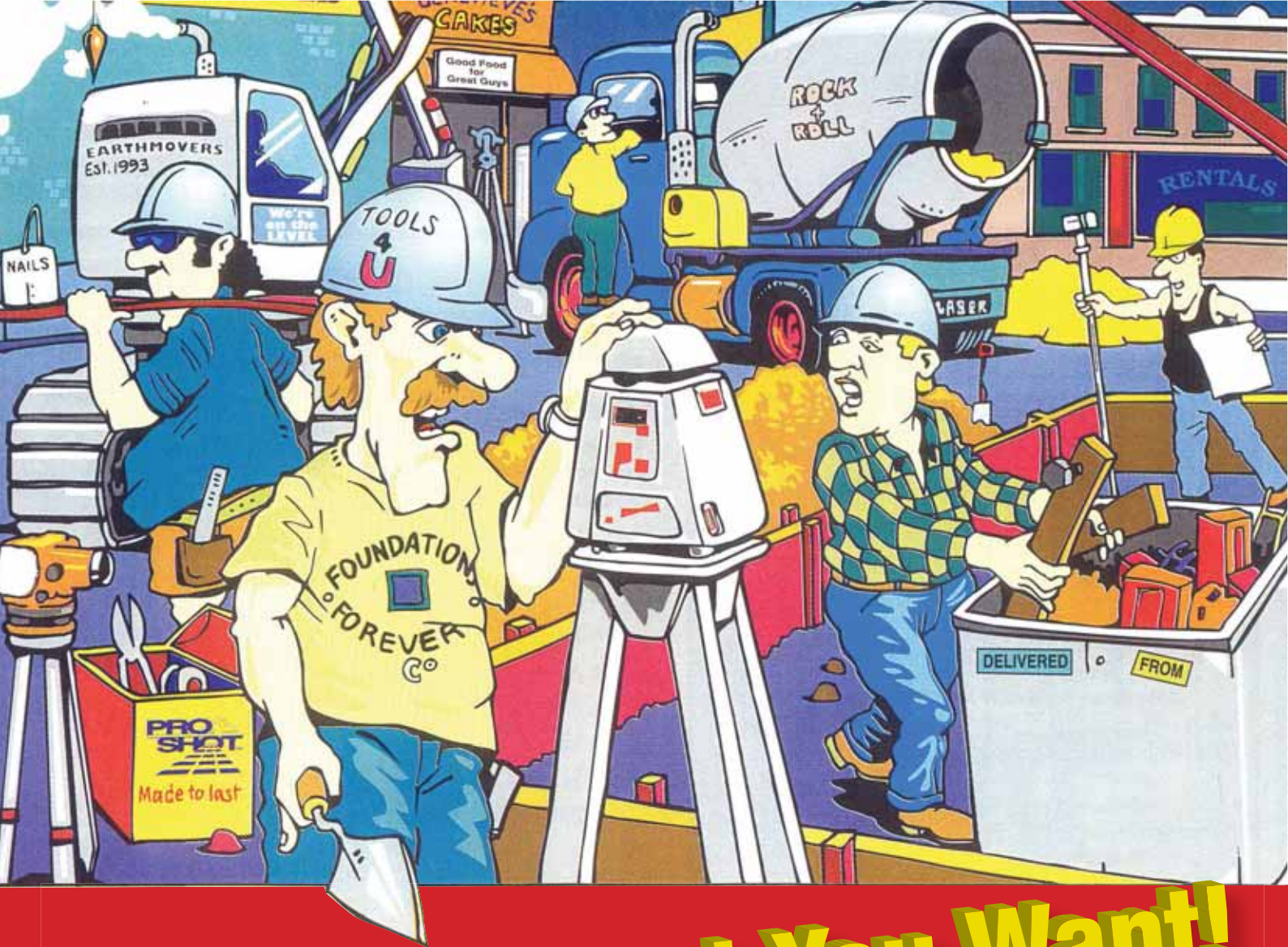
Model B-DPRO



- Digital slope meter
- Measuring range:  $\pm 90^\circ$
- Accuracy:  $0.1^\circ$
- Resolution:  $0.1^\circ$
- Large LCD
- Machined aluminium frame
- Battery life: 2000hrs+
- Measures both absolute & relative angles
- Hold button to record measurements
- Size: 60mm (H) x 150mm (W) x 32mm (D)
- Conversion chart from degrees to % included

See example pg: 8





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