

DL32 DIGITAL LEVEL

Professional performance at an affordable price.

- Fast, easy and accurate
- High precision
- Self-levelling

Designed with durability.

- Water-resistant housing
- Compensator lock for secure transport

Proven Simplicity.

- Single button operation
- Easy access battery compartment
- Elevation and height difference measurement
- Large internal memory

Product Specifications.

Electronic measurement

1. Height accuracy: 1.5mm/km (standard staff)
0.7mm/km (high accuracy staff)
2. Ranging distance: 3 to 110m (subject to environmental conditions)

Optical Measurement

2. Folding bar code staff: 1.5mm

Minimum display unit

4. Height measurement: 1mm/0.01mm
5. Distance measurement: 0.01m
6. Measurement speed: 3 seconds

Telescope

7. Magnification: 32 X
8. Objective lens aperture: 40mm
9. Working range: $\pm 12'$
10. Accuracy: $\pm 0.3''$
11. Bubble precision: $8'/2\text{mm}$
12. Display: 128(width)*64(height); pixel with light
13. Battery: 4x 1.2V rechargeable batteries, continuous use for 10 hrs
14. Working temperature: $-20^{\circ}\text{C} - +50^{\circ}\text{C}$

Package options available.

Hard carry case, 4x AAA batteries, plumb bob and manual
Warranty: 1 year



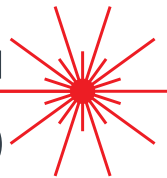
SALES, SERVICE AND HIRE NEW ZEALAND WIDE

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BOSS
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AL28 Automatic 28X magnification level

Professional performance at an affordable price.

- 28X magnification
- Fast aperture
- Magnetically dampened compensator

Proven Simplicity.

- Large focusing knob
- Target collimator
- Circular vial with mi-core
- Fine motion knobs on both sides with friction braked rotation, endless horizontal drive.

Designed with durability.

- Sturdy metal housing

Product Specifications.

1. Unit of measure: degrees °
2. Magnification: 28 X
3. Working range: Up to 107m
4. Levelling accuracy: 0.05mm/m
5. Angular accuracy: 1° 1gon
6. Compensator setting accuracy: $\pm 0.5''$
7. Clear objective aperture: 40mm

Package options available.

Tool kit, plumb bob, hard carry case and a lens cover.
Warranty: 1 year



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MCS18

Benefits:

The MCS18 levelling technology achieves automatic, flexible, quick and precise land levelling through the hydraulic control systems.

Sensitivity comparison:

The MCS18 is 10-50 times that of a combined visual estimate and manual operation of hydraulic systems.

What it can be used with:

- Grader
- Bull dozer
- Excavator
- Flat shovel

Fields of use:

- Farmland flat
- Water conservation
- Hydropower projects
- Road engineering
- City construction
- Tunnel engineering

Technical Specifications:

Reception angle: 360° entire circular window

Reception height range: 270 cm

Receiving accuracy: ± 1 cm

Working distance: diameter 600m (under good weather conditions)

Reception display: 5 wave band, high light LED single surface display

Protection level: IP66 anti seismic/anti interface

Operating temperature: -20°C to $+50^{\circ}\text{C}$

Connection mode: 10 core Aerial plug connect with controller

Fixing form: Fixed by jaws

Power supply: DC12V



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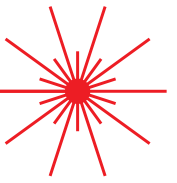
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METSYS



ML2P/ ML2 ML2PG/ ML2G

360° Horizontal and
Horizontal /Vertical Point
line laser

Professional performance at an affordable price.

- Lightweight and easy to use
- Super bright diode
- Suitable for outdoor use
- Low battery alarm
- Levelling alarm
- Designed with durability.
- Water-resistant housing
- Over moulded rubber protection

Proven Simplicity.

- Single Button Operation
- Easy access battery compartment
- 360° Horizontal/
Vertical BEAM and Point line laser

Product Specifications.

1. Operating temperature: 0°C - 45°C
2. Overall accuracy: $\pm 2\text{mm}/10\text{m}$
3. Working range with Sensor 60m
4. Working range w/o sensor: 30m
5. Levelling range: $\pm 3.5^\circ$
6. Tripod thread: 5/8" & 1/4"
7. Storage temperature: -20° to 50°
8. Dimensions: 120 X 60 X 122

Package options available

Magnetic Bracket, 4 x AA batteries, 2 x Magnetic targets, pouch/soft case.
Recharge kit for green Beam.
Warranty: Two year limited (1 year + 1 year by redemption)



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ML3/ML3G 3-line laser

Professional performance at an affordable price.

- Lightweight and easy to use
- Super bright diode available in **Green** and **Red**
- Suitable for outdoor use
- Low battery alarm
- Levelling alarm

Proven Simplicity.

- Single Button Operation
- Easy access battery compartment

Designed with durability.

- Water-resistant housing
- Over moulded rubber protection

Product Specifications.

1. Operating temperature: 0°C - 45°C
2. Overall accuracy: $\pm 2.5\text{mm}/10\text{m}$
3. Working range with Sensor: 50m
4. Working range w/o Sensor: 15m
5. Levelling range: $\pm 3.5^\circ$
6. Tripod thread: 5/8" & 1/4"
7. Storage temperature: -20° to 50°
8. Dimensions: 120 X 60 X 122

Package options available.

Wall mount, target, soft carry case, alkaline batteries, charger.
Recharge kit for green Beam.
Warranty: Two year limited (1 year + 1 year by redemption)



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METSYS

ML360/ML360G Multi line 3D laser 3 X 360° laser lines

Professional performance at an affordable price.

- Alerts you if you're outside of the levelling range.
- Multi-purpose mount allows it to be place in various locations

Proven Simplicity.

- Single Button Operation
- Easy access battery compartment

Designed with durability.

- Sturdy metal housing with rubber reinforcements

Product Specifications.

1. Accuracy: $\pm 1.5\text{mm}$ at 10m
2. Operating range: 60m with optional detector
3. Levelling range: $\pm 4^\circ$
4. IP rating: 54
5. Battery type:
Rechargeable lithium ion battery NI-MH with providing extended operating hours.

Package options available.

Multi mount, target, soft carry case, rechargeable battery, charger and glasses.
Warranty: Two year limited (1 year + 1 year by redemption)



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4. IP rating: 54
5. Battery type:
Rechargeable lithium ion battery NI-MH with providing extended operating hours.



Package options available. Pro

Multi mount, target, soft carry case, rechargeable battery, charger and glasses, Sensor, Clamp and Rotating Base.
Warranty: Two year limited (1 year + 1 year by redemption)

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MLP1

Features and functions:

- Able to be connected with a tripod by a 5/8" tread
- Projects two laser beams, up and down.
- Simple and easy to use
- Sealed and dustproof
- Used in construction , deformation observation

Specifications:

- Accuracy; 1/45000
- Effective aperture; 30mm
- Magnification; 25X
- Field of view; 1°30'
- Minimum focus distance; 0.5m
- Wavelength; 635nm
- Laser class; Class IIIA
- Minimum viewing distance; 0.5m
- Plummet accuracy; 0.5mm/1.5mm
- Day; 150m
- Night; 500m
- 40m range; maximum 4mm
- 100m range; maximum 5mm
- Deviation optical and laser axis; $\leq 2''$
- Mean square plumb error; $\leq 5''$
- Operating temperature; $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Net weight; 2.8kg
- Power supply; 2 "AA" batteries

Package details

- 2 x AA Batteries
- Hard carry case
- Manual
- Target



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MP3 3 beam self-levelling alignment laser

Professional performance at an affordable price.

- Fast, easy and accurate
- Accuracy $\pm 2\text{mm}/10\text{m}$
- Ideal for interior plumb, level and square jobs.

Proven Simplicity.

- Single button operation
- Easy access battery compartment

Designed with durability.

- Water-resistant housing IP54
- Over moulded rubber protection

Product Specifications.

1. Laser diode: 1 laser diode - 3 dots
2. Range: up to (30m)
3. Levelling type: self-levelling
4. Levelling range: $\pm 4^\circ$ in any direction
5. Power: 3X AA batteries.
6. Tripod mounting: $\frac{1}{4}$ - 20

Features.

- Three highly focused self-levelling laser points, brighter, for greater precision
- Simple one button operation & a unique levelling system quickly settles laser beams for fast and accurate set up
- Mounting versatility when used with built in magnets & universal magnetic platform accessories for attaching to metal surfaces

Package options available.

Magnetic Bracket, soft carry case and 3 X AA batteries.
Warranty: Two year limited (1 year + 1 year by redemption)



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MT20/MT20L 2 Second Theodolite

Professional performance at an affordable price.

- Fast, easy and precise angle measurement
- Accuracy: 2 arc second
- Large dual-sided display with lighting
- Laser Plumlet

Proven Simplicity.

- Zero resetting, clockwise or Counter clockwise angel reading
- Battery pack that can be attached or detached with a single action.

Designed with durability.

- Water-resistant housing



2 Second Theodolite

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MT20/MT20L 2 Second Theodolite

Product Specifications.

Telescope

1. Image: Erect
2. Magnification: 30X
3. Object lens aperture: 45mm
4. Resolving power: 3"
5. Field of view: 1°30"
6. Minimum focus: 1.35m
7. Stadia ratio: 100
8. Additive constant: 0
9. Length: 155mm

Angle measurement

1. Code type: Absolute Code
2. Minimum reading: 1"/5"
3. Accuracy: 2"
4. Circle diameter: 79mm
5. Measuring units: 360° / 400gon/6400mil
6. TILT compensator range: $\pm 3'$

Laser Pointer (MT20L Only)

1. Magnification: 3X
2. Field of view: 5°
3. Focus range: 0.5m - ∞

Package options available.

Target, Hard carry case, batteries, charger, rechargeable battery pack and tool kit.
Warranty: 1 year



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MTS200R Total station

Professional performance at an affordable price.

- Fast, easy and accurate
- High precision

Proven Simplicity.

- Single button operation
- Easy access battery compartment

Designed with durability.

- Water-resistant housing
- Dust and splash protection IP55

Product Specifications.

1. Magnification: 30X
2. Resolving power: 4.0"
3. Field of view: 1°30'
4. Minimum focus: 1.3m
5. Distance measurement with 1 prism: Up to 3,000m
6. Angular accuracy: 2" , 5"
7. Working range: 300m w/o prism, 5km w/triple prism.
8. Internal memory: 15,000 points
9. Tripod connection: 5/8" x 11

Package options available.

Software, tool kit, Rain Cover, 2x Batteries, Charger and Hard Carry Case.
Warranty: 1 year



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RL30 SERIES

Horizontal Rotating laser
Horizontal /Vertical Rotating Laser

Professional performance at an affordable price.

- Fast, easy and accurate
- Ideal for concreting, landscape, general levelling, manual grade in one axis

Proven Simplicity.

- Single button operation
- Easy access battery compartment

Designed with durability.

- Water-resistant housing
- Over moulded rubber housing for protection
- Metal window frame
- Dust and splash protection IP65



RL30H



RL30HV



RL30GRADE

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