

# SWISS LEVEL®

6537 Grono - Switzerland



## Modern Measuring Solutions

Positioning  
Layout  
Control

**CATALOGUE**

# Selection guide / Table of contents

Choose the right instrument for your needs

Page



**Line lasers projecting fixed line references**

*The perfect choice for tilers, painters, decorators, upholsterers, interior designers, carpenters etc.*

Your job site size	small
Your light conditions	interior
Accuracy needed	good
Self leveling needed	no

**4**



**Laser instruments in a pocket size format**

*The perfect choice for metal constructors, electric installers, HVAC installers, inspectors for layout and marking jobs etc.*

Your job site size	small
Your light conditions	interior
Accuracy needed	good
Self leveling needed	yes

**5**



**Multi line lasers for use with impulse detectors**

*The perfect choice for tilers, painters, carpenters, cabinet makers, drywall and suspended ceiling installers, kitchen installers etc.*

Your job site size	small / large
Your light conditions	interior / exterior
Accuracy needed	good / excellent
Self leveling needed	yes

**6-7**



**Rotation lasers for indoor use**

*The perfect choice for drywall and suspended ceiling installers, raised floor installers, metal constructors etc.*

Your job site size	small / large
Your light conditions	interior
Accuracy needed	excellent
Self leveling needed	yes

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**Rotation lasers for outdoor use**

*The perfect choice for excavation, terrain leveling workers, masons, concrete workers, civil engineers, general contractors etc.*

Your job site size	large
Your light conditions	exterior
Accuracy needed	excellent
Self leveling needed	yes

**8-10**



**Tripods and accessories**

*The perfect range of tripods and accessories for your laser measuring instruments.*

**11-15**

**Highest quality automatic level program**

*The perfect choice for terrain leveling workers, job site quality controllers, civil engineers, general contractors etc.*

Your job site size	large
Your light conditions	exterior
Accuracy needed	excellent
Self leveling needed	yes



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**Digital electronic inclinometers and protractors**

*The perfect choice for metal constructors, industrial mechanists, carpenters, general contractors and many other trades.*

Accuracy needed	excellent
Angle measuring needed	yes
Slope measuring needed	yes
Angle duplication needed	yes



16-17

**Distance measuring instruments**

*The perfect choice for drywall installers, general contractors, civil engineers, architects and many other trades.*

Your job site size	small / large
Accuracy needed	excellent
Surface measuring needed	yes
Volume measuring needed	yes



18-19

**Moisture content and temperature meters**

*The perfect choice for painters, carpenters, HVAC installers, general contractors, inspectors and many other trades.*

Accuracy needed	good
Wood moisture check	yes
Building materials check	yes
Non destructive	yes



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**Material scanning and testing instruments**

*The perfect choice for electric installers, masons, painters, general contractors, inspectors and many other trades.*

Accuracy needed	good
Metal / Wood / Volt scan	yes
Concrete strenght check	yes
Material thickness check	yes



21-22

**Specialty meters**

*The perfect choice for a variety of construction, industrial and special applications - rotation speed, sound level, water quality control.*

Accuracy needed	good
Rotation speed check	yes
Sound level check	yes
Water quality check	yes



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# Laser Square / Chalkliner

Line lasers projecting fixed line references



**Chalkliner**



**Laser Square**

**Positioning Lasers - easy to use tools for a quick reference line, for alignments or for square projecting. Applications that usually require two workers can now be done by one.**

### Chalkliner

The easy to use Chalkliner is for every tradesman. It simplifies positioning or layout work where objects must be set in a row or simply aligned. The Chalkliner projects a single laser line on the floor, the wall or the ceiling, wherever it's needed. The clever mounting and hanging systems allow it to be fixed to soft materials like wood with fixing pins that are simply pressed into the surface. The hanging hook allows you to hang it on the wall for vertical projections, and the strong magnetic holder lets you fix it to steel. The Chalkliner also has an integrated degree scale so you can project angles and the illuminated vials allow you to do leveling even in places where the light condition is poor. The Chalkliner uses a strong laser diode and unlike many other products has the laser higher above the surface so the beam is visible at much longer distances. All in all a well designed, rugged and easy to use tool that has a place in every tool box.

### Laser Square

The Laser Square is a compact practical tool for squaring. The tool projects two lines on the surface with a 90° angle. The Laser Square has a special triangular shape that allows the back edge of the tool to be placed against a wall and also project 45° angles. The integrated magnetic base allows the tool to be fixed easily onto metal surfaces. The rugged design of the tool makes easy work of laying ceramic tiles, placing walls or even aligning foundations. The strong highly visible lasers can be turned on individually. The precision calibration makes the Laser Square the professional's choice.

Specification	Chalkliner	Laser Square
Accuracy	± 3mm / 10m	± 3mm / 10m
Working range	5-10m	7-15m
Laser class	Cl.2 / 635nm	Cl.2 / 635nm
Battery	2x AA 1.5V	2x AA 1.5V
Item Nr.	SL-0220600	SL-0220665
Details	Magnet, Batteries	Batteries, Padded case





# Pocket 5 / Pocket Cross

*Economical pocket sized self-leveling instruments*

The new pocket layout tools were designed with the features needed for professionals working on the go. Pendulum damping system, locking system for transport and access ports for recalibration make these tools the right choice for the serious professional who wants to save time and work alone.

## Pocket 5

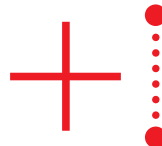
The economical Pocket 5 does much more than just leveling! Horizontal beams, 90° beams and floor to ceiling plumb beams give all the information needed for layout work in one tool. The easy to use Pocket 5 comes complete with a mounting bracket that can be attached to a tripod, used as a floor support, hung on the wall, or even attached to a steel post with its magnet. Metal construction, drywall partitions, atrium construction layouts are all easy with the handy Pocket 5. Controlling the work performed by other contractors or even checking the condition of a structure before making a bid are just a few examples of work that can be performed in seconds.

## Pocket Cross

The Pocket Cross is a low cost self leveling layout tool for interior applications. Pocket Cross has horizontal and vertical reference lines as well as a floor to ceiling plumb reference. The Pocket Cross was designed for the installation trades like electricians, HVAC installation, lighting contractors or even plumbers. The strong highly visible horizontal and vertical lines make easy work of positioning cable trays, heat registers and all types of interior installations that need to be at the same height or aligned vertically. The floor to ceiling plumb reference makes complex measurements on the ceiling a thing of the past. Simply make your measurements on the floor and project your point to the ceiling.



Pocket 5



Pocket Cross

Specification	Pocket 5	Pocket Cross
Accuracy	± 4mm / 10m	± 4mm / 10m
Working range	20m	5-10m
Leveling range	± 3°	± 3°
Laser class	Cl.2 / 635nm	Cl.2 / 635nm
Battery	2x AA 1.5V	2x AA 1.5V
Item Nr.	SL-0241150	SL-0220610
Details	Bracket, Target, Padded case	Belt case

# Crossliner Pulse / Triliner Pulse

## Self-leveling line lasers for use with impulse detectors



**Crossliner Pulse**



**Triliner LM300 Pulse**

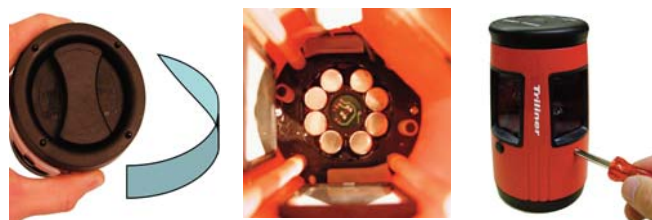
The new range of professional line lasers offers higher visibility, improved accuracy and the ability to work with an impulse detector even in the brightest sunlight. New features like Quick Cal and Quick Lock make Crossliner Pulse and Triliner LM300 Pulse the best tools in their class.

### Crossliner Pulse

The new Crossliner Pulse is a self-leveling pocket sized laser tool that can perform wonders for all installation layouts. It can be carried on your side with the belt case that is included. The Crossliner Pulse uses the best laser diodes with much higher visibility than other tools on the market. The optional impulse detector is used with this tool so that even under bright sunny conditions the laser beam can be found 40 meters away. Pocket tools are great when you have to layout and mark the work that needs to be performed later. Simply mark the positions and then move on to the next place.

### Triliner LM300 Pulse

The Triliner is the latest generation of our famous Crossliner / Triliner series. SWISS GEO LEVEL is Europe's pioneer in line laser technologies and our first Crossliner was introduced in the early 90's. The Triliner is full of innovations that make it truly the leader in its class. It is self-leveling and projects a horizontal reference line as well as two vertical reference lines set at 90° to project a square. The Triliner is easy to use - placed in a stationary position the lines are then projected to provide a constant reference as you do your work. The addition of the optional impulse detector lets you use the Triliner at distances up to 40 meters even in the brightest sunlight. Kitchens, ceramic tiles and even walls and ceilings are no problem for the Triliner.



**Quick Lock** is a locking mechanism to block the pendulum of the tool and to prevent movement and damages to the tool when not in use or being transported.

**Quick Stop** is an innovative system using strong magnets to slow the movement of the pendulum. Even construction sites with a lot of vibration are no problem.

**Quick Cal** is an easy to perform calibration, if your tool has taken a fall or got out of calibration.

Specification	Crossliner Pulse	Triliner LM300
Accuracy	± 3mm / 10m	± 3mm / 10m
Working range	10m / 30m (pulse)	10 / 30m (pulse)
Leveling range	± 4°	± 5°
Laser class	Cl.2 / 635nm	Cl.2 / 635nm
Battery	3x AA 1.5V	3x AA 1.5V
Item Nr.	SL-0220653	SL-0220695
Details	Mounting bracket, Target plate, Batteries, Belt case	Mounting bracket, Laser folding ruler, Batteries, Padded case

# Masterliner LM450 Pulse

## Professional self-leveling multi-line laser



The new Masterliner LM450 Pulse multi line projector is the ultimate layout instrument without compromises! No more complicated set up like with rotation lasers - the Masterliner LM450 Pulse is easier to use, costs less and does even the most difficult layout combinations in seconds.

### Masterliner LM450 Pulse

The Masterliner LM450 Pulse is the latest development in a series of new line generating instruments. Imagine a tool that levels itself and then projects one horizontal reference line, four vertical reference lines at 90° and a plumb reference. All the beams can be switched on at once or one at a time - you decide with the handy remote control. The heavy duty long pendulum system used to level the instrument is highly accurate and stable. Due to the higher accuracy we can recommend this tool for use with an impulse detector. Strong sunlight or long distances will never hold you back again. The Masterliner LM450 Pulse is very easy to use; simply set the tool on the floor and the remote control can turn the laser lines on when you want them and where you want them. The Masterliner LM450 Pulse was designed for the tough conditions found on the construction site. The 2.5 Kg instrument has a heavy duty all metal internal construction and a long penulum for increased stability and repeatability. The tool was designed for interior finishing applications, but it has also proven itself for facades, metal constructions and a number of industrial applications.

### Impulse detector

Our impulse detector was designed to detect a special pulse signal emitted by the Masterliner LM450 Pulse or other line lasers using the pulse technology. The impulse detector can find the line even in the brightest sunlight at distances up to 40m. The detector has an itegrated audible signal and bright visible pointers to indicate the position of the laser. An optional clamp for mounting the detector to a grade rod is also available.

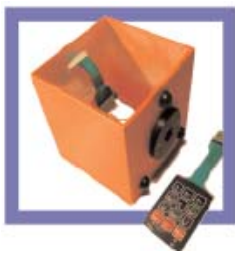


Specification	Masterliner LM450 Pulse
Accuracy	± 2mm / 10m
Working range	10m / up to 40m (pulse)
Leveling range	± 3°
Laser class	Cl.2 / 635nm
Battery	3x AA 1.5V
Item Nr.	SL-0220810
Details	Remote control, Impulse detector, Target plate, Glasses Batteries, Plastic case



# Interliner L900 “Cube”

Automatic rotation laser with remote control



Save time and improve the quality of the work on your construction site! Heavy duty construction, highest quality and workmanship set the Interliner L900 apart from other tools on the market. The Interliner L900 offers horizontal and vertical self-leveling, single slope adjustment, long distance remote control and more. Built to the „Old School“ standards the Interliner L900 is one of the most rugged tools on the market today.

### Automatic leveling

The Interliner L900 has a large range of automatic self-leveling - simply place the instrument on a wall bracket or tripod and press the button - its precision electronic vials and Swiss servo motors will do the rest.

### Heavy duty design

The Interliner L900 is built for everyday use under the conditions found on today's construction site. The housing is of metal and fully sealed. The glass lighthouse protects and seals the rotating head and provides good visibility. All internal components are the best available: Japanese laser diodes, the best Swiss motors and gear trains, shock resistant PC boards, sealed high quality touch pad and even the interior parts are either stainless steel or brass. The unique double slide system for aligning the mechanism is unique to the Interliner L900 and built to last. No need for batteries as the tool comes with a recharger system.

### Cube form

The L900 is not the most beautiful tool to look at, but we don't believe the construction site is a place for a beauty contest. Metal housings and support structures have proven to be the most rugged, and have the least problems with temperature changes. The cube form is most practical for interior alignments and positioning for facade work. Plastic bodied tools with rounded forms and curved edges are far from being practical on the site. The base has a three points for proper stability and the back plate has also an integrated mount for tripod or brackets.

### Full Functions

The Interliner L900 has all the standard functions customers have asked for: remote control, rotation speed control, stop step function to position your point or scan line where you want it, scan function with the possibility to make the line longer or shorter. Some other functions are not used everyday, but can save you a lot of time and money over the long run: field calibration function, recalibration without having to open the sealed housing and of course manual mode which allows you to project grades and slopes.

Specification	Interliner L900 “Cube”
Accuracy	± 1mm / 10m
Working range	150m
Leveling range	± 5°
Laser class	Cl.2 / 635nm
Battery	Rechargeable
Item Nr.	SL-0220453
Details	Detector, Holder, Remote control, Target plate, Glasses Recharger, Plastic case

# Interliner L590 / L590 G

## Economical full automatic rotation laser



Simple and economical rotation lasers with the basic features needed by the construction professional. Ideal for general building construction and for Interior finishing work.

### Interliner L590

The Interliner L590 is a low cost self-leveling rotation laser that works fully automatic for both vertical and horizontal applications and has an integrated floor to ceiling plumb. The Interliner L590 works with a remote control and has speed control, stop step function for positioning the point or scan line, scan line and scan line length adjustment. The Interliner L590 can also be used in manual setting which will allow you to adjust the instrument for projecting inclination and slopes. The instrument is built on a metal platform in a sealed impact resistant housing with a protective lighthouse to seal and protect the rotating head. No need for batteries as the tool comes with a recharger system. An optional car charger is also available.

### Interliner L590 G (green laser)

Probably the lowest cost professional self-leveling rotation laser with a green laser on the market today. Easy to use with all the features of the standard L590 version, but with the highly visible green laser diode. The human eye is much more sensitive to green light and therefore the green laser is gaining more popularity. It is ideal for interior finishing construction where a visible line is preferred to using a detector. Most exterior contractors continue to prefer red lasers as they are ideal for aligning jobs using a laser detector.



Specification	Interliner L590	Interliner L590 G
Accuracy	± 1.5mm / 10m	± 1.5mm / 10m
Working range	150m	300m
Leveling range	± 5°	± 5°
Laser class	Cl.2 / 635nm	Cl.3R / 532nm
Battery	Rechargeable	Rechargeable
Item Nr.	SL-0220390	SL-0220370
Details	Detector, Holder Remote control Recharger, Plastic case	Detector, Holder Remote control Recharger, Plastic case



# Spaceliner L700

## Plane laser for leveling exterior surfaces



The horizontal specialist for all weather conditions. A self-leveling rotation laser for exterior applications such as concrete work, excavation, road construction or general leveling work. Once mounted in a central position many complicated leveling or layout tasks can be done easily by a single worker. The Spaceliner L700 cuts the costs and improves your performance.

Due to its all metal internal construction and weather proof housing the Spaceliner L700 withstands even the toughest conditions. Simply mount the instrument on a tripod and do the rough leveling using the easy to adjust round vial. The tool's precision compensator does the rest. The Spaceliner L700 is also equipped with an out of level sensor so that if the tool is bumped or moved, it will stop and an indicator light will start flashing. The highly accurate and self aligning compensator allows applications in a range of 150m radius. The accuracy of 1mm / 10 m reflects the quality of this high performance tool.

The Spaceliner has a rugged design. The housing is sealed and even the battery compartment is isolated from the instrument. The entire working mechanism of the tool is made from metal and all mounted onto a strong metal base. The Spaceliner L700 uses an impact resistant plastic housing to protect the interior mechanism. Even the rugged field case is extra strong and filled with closed cell foam so that water will not be absorbed and then trapped inside. The latest generation of our universal detector is included with the instrument and is also sealed and designed for outdoor use. The Spaceliner L700 is the professional choice at an affordable price.



Specification	Spaceliner L700
Accuracy	± 1mm / 10m
Working range	150m
Leveling range	± 10'
Laser class	Cl.2 / 635nm
Battery	4x C 1.5V
Item Nr.	SL-0220260
Details	Detector, Holder, Batteries, Plastic case

# MacDetect 360

## Machine control receiver

The industrie's first economical universal machine control receiver. The new MacDetect 360 is designed to detect the laser of red beamed and IR rotation lasers and can be easily mounted on many types of construction machinery. Save time and control your work without leaving the machine or relying on a second person.

### Oversize Display

An easy to read oversize display with large flashing diodes to indicate the laser level position.

### Cab display

An optional in-cab display is available for use with larger machines that have a closed cabin, where visibility or the position of the detector does not allow convenient viewing.

### Mounting Systems

Magnetic mounting or clamp bracket mounting for mounting on a round tubes are systems now available to suit your preference or whichever mounting system works best for the type of machine you have.

### Full Function

MacDetect 360 has all the features normally needed like fine or course accuracy adjustment, recharger system with up to 40 hours of use on one charge and a detection surface on four corners to allow pick up of the laser signal from 360°.

### Complete Sets

MacDetect 360 comes in two different sets as you need it. The basic set comes with MacDetect 360 itself and recharger system in a strong transport and storage case. The MacDetect 360 is also available in a complete set with in-cab display and special cabling to connect the display.



MacDetect 360



Cab display



Specification	MacDetect 360
Accuracy (fine)	± 2mm - ± 10mm
Accuracy (coarse)	± 5mm - ± 23mm
Operating time	app. 40 hours
Charging time	app. 15 hours
Operating temp.	- 20°C to + 50°C
Details (Basic Set)	Receiver, Recharger, 12/24V Recharger
Details (Complete Set)	additionally: Cab display with a connecting cable

# AutoLevel 20x / 24x / 32x

## Highest quality automatic level program



Our optical levels incorporate the latest technological features of automatic levels. The reliable automatic compensator insures accurate, reliable and repeatable results. Robust construction and simple easy to use design make these levels the right choice for the professional.

### AutoLevel 20x

The AutoLevel 20x was designed with the contractor in mind. This easy to use instrument is accurate and designed to take the abuse of the construction site. The clear optics, large quick adjustment knobs and flat top sighting systems speed layout and control work. The rugged all metal housing and base ensure that this instrument will hold up on your jobsite. High quality optic and short focus distance make this tool a winner even in low light conditions. The perfect instrument for every leadman, foreman or site manager.

### AutoLevel 24x / 32x

The AutoLevels 24x and 32x were designed with the engineer and project manager in mind, so working on larger sites with longer viewing distances is no problem. The same simple easy to use concept of the AutoLevel 20x is compared with stronger optics and higher accuracy needed on larger construction sites. Clear optics, high quality compensator and rugged construction put the AutoLevels out in front.

### Special Combination Sets / Case

Our AutoLevels are available in complete sets with special favourable pricing conditions. The Sets include an AutoLevel, a special tripod designed for use with our AutoLevels, a 5m grade rod also designed with specialty markings for use with optical levels and a heavy duty carrying case for the instrument, tripod, and rod - all in one. Why not protect your investment and keep everything you need together in one place!



Specification	AutoLevel 20x	AutoLevel 24x	AutoLevel 32x
Standard deviation for 1km	± 2.5mm	± 2mm	± 1mm
Shortest focus distance		0.3m	
Leveling range		± 15'	
Circle graduation		360°	
Item Nr.	SL-0260100	SL-0260200	SL-0260300
Set item Nr.	SL-0260095	SL-0260203	SL-0260320
Set details	Plastic case, Tripod, 5m grade rod, Carrying case		

# Specialty laser accessories

For bright light, long distances or unique applications

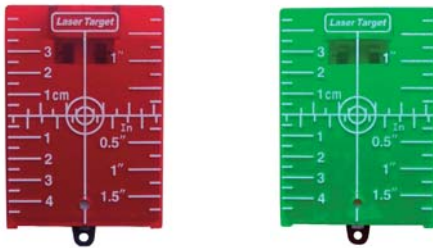
- SL-0320210 Laser glasses for red laser**  
**SL-0320212 Laser glasses for green laser**
- Better visibility in bright light conditions
  - Adjustable frames
  - Large - for use over normal glasses
  - Rugged construction



- SL-0401508 Detector for rotation laser (red)**  
**SL-0401509 Detector for rotation laser (green)**
- Water and dust resistant
  - Fine and course detection
  - Audible signals or silent mode
  - LCD display front and back
  - Working range up to 150m (red) / 300m (green)
  - Optional rod mount available



- SL-0320193 Footed target plate (red)**  
**SL-0320194 Footed target plate (green)**
- Magnet for attaching to ceiling grid
  - Special support leg for floor use
  - Special surface for high visibility



- SL-0401500 Impulse detector for line laser**
- Water and dust resistant
  - Accustical signal or silent mode
  - Working range up to 40 m
  - Bright LEDs - easy to see
  - Optional rod mount available



- SL-0320192 Floor leveling target plate**
- Rugged all metal support
  - 50 mm scale
  - 10 cm adjustable height



- SL-0401603 Detector rod bracket**
- Impact resistant plastic
  - Mounts directly to most grade rods

- SL-0810568 Car charger for Interliner L590 and L590 G**
- Cigarette lighter plug
  - Integrated LED



- SL-0250600 3m Measuring tape**  
**SL-0250610 5m Measuring tape**  
**SL-0250620 8m Measuring tape**
- For use with line lasers
  - Special steel band for high visibility



- SL-0320205 Laser grade rod**
- Scale in mm
  - Height 131 - 240cm
  - Specialty slider for detector
  - Easy height adjustment
  - Good visibility for laser
  - Integrated round vial

- SL-0320199 Folding ruler - red target**
- For use with line lasers
  - Surface for high visibility
  - 1m long



# Tripod and support program

*The foundation to reliable measurements*

To ensure the accuracy and reliability of your instruments the mounting accessories are most important. A good construction only occurs on a „solid foundation“. Tripods and mounting accessories are made only from the best materials, with special design features to give you the optimal base of support for your instruments. Compare materials, design and features before you buy!



### SL-0320109 Heavy duty wooden tripod

- Height 100 -172 cm
- Reduced material thermal expansion
- Carrying strap



### SL-0320100 Aluminium tripod Pro

- Height 90 - 165 cm
- Heavy duty aluminium construction
- Carrying strap
- Leg support chains



### SL-0320113 "Musketeer" - one for all tripod

- Height 80 - 260 cm
- Elevator range 78 cm
- Double extension crank elevator
- Extendable legs
- Special indoor / outdoor feet



### SL-0320107 "Ceiling Master" heavy duty tripod

- Height 124 – 365 cm
- Elevator range 55 cm
- Extendable legs
- Special indoor / outdoor feet



### SL-0320136 Vertical mounting bracket for L590 / L590 G

- Adjustable levelling feet for rough surfaces
- High impact reinforced plastic with 5/8" thread

**SL-0320105 Pole Support Lite**

- Adjustable height 85 – 380 cm
- 5 sections
- Compact size
- Padded case included
- Ideal for light instruments



**SL-0320111 Tripod with clamp elevator**

- Height 84 - 194 cm
- Elevator range 65 cm
- Extendable legs with quick release
- Special indoor / outdoor feet
- Carrying strap
- Leg support straps



**SL-0320101 Standard aluminium tripod**

- Height 90 – 165 cm
- Extendable legs with quick release
- Carrying strap
- Ideal for optical levels and plain lasers



**SL-0320138 Wall bracket**

- Heavy duty aluminium construction
- Easy to mount
- Adjustable height



**SL-0320110 Universal support system**

- Universal application
- Heavy duty
- Height adjustment



**SL-0320208 5m AutoLevel grade rod**

- cm markings on the front
- mm markings on the back - starting from floor
- Integrated round vial



**SL-0300130 Universal tripod case C1400**

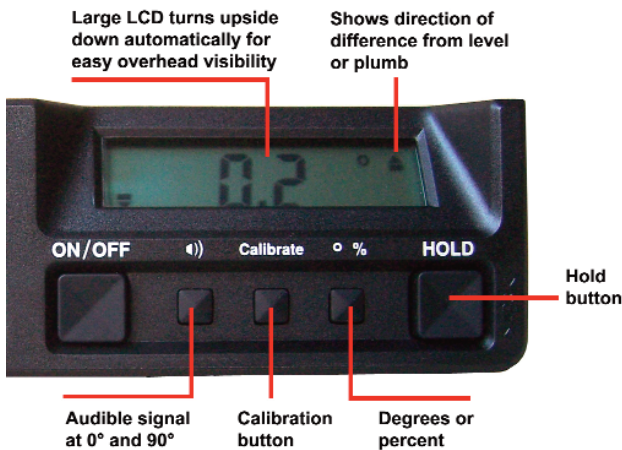
- Strong reinforced material
- Heavy duty carrying strap
- Integrated grade rod pocket
- Large enough for standard tripod, grade rod and optical level

# Digital electronic inclinometers

Measurement of angles in degrees or slopes in percentages



P250



The most complete program of digital electronic levels without compromises, available in lengths from 25cm to 180cm. Indicates level, plumb and all angles in between. Product configurations are available for many construction and industry applications.

## Digital electronic levels

Measure angles in 0,1° (%) steps, simplifying measurement and layout projects. The oversize LCD display shows the measured values in clear easy to read numbers. The special reinforced profile has a pipe groove on one edge for placement on round surfaces. The ideal tool for any layout in angles or slopes. Layout for water drainage or just determining the existing grade on a street are easy to perform with the the % function. Setting roof supports for a greenhouse or fixing hand rails along stairwells is easy with the degree function. Use the hold button to check an angle from a position you can not see by placing the tool, pressing the button and reading the display. Level appliances, countertops or even machinery using the tone signal to tell you without looking that you are there. This tool will start to save you money the minute you unpack it!

## P175

The P175 has all the features of our standard electronic digital levels, but also includes an integrated battery compartment in its own compact housing.

## P360

The P360 uses the special SWISS GEO LEVEL sensor built into a specialty precision machined aluminium frame. Ideal for industrial applications. The zero feature (unique to this model) allows you to zero the tool at any desired angle.



Model	Length	Item Nr.
P360	153mm	SL-0200135
P175	175mm	SL-0200137
P250 / P250M	250mm	SL-0200122 / SL-0200124
P350	350mm	SL-0200110
P600 / P600M	600mm	SL-0200115 / SL-0200117
P1000	1000mm	SL-0200120
P1800	1800mm	SL-0200125

Specification	P175 / P250 - P1800	P360
Accuracy	± 0.1° (%)	± 0.1°
Angle range	4x 90° / 4x 100%	4x 90°
Hold function	Yes	Yes
Zero function	No	Yes
Acoustic signal	Yes	No
Battery	1x 9V	

# Digital electronic protractors W40 / W60

## Measurement and duplication of angles

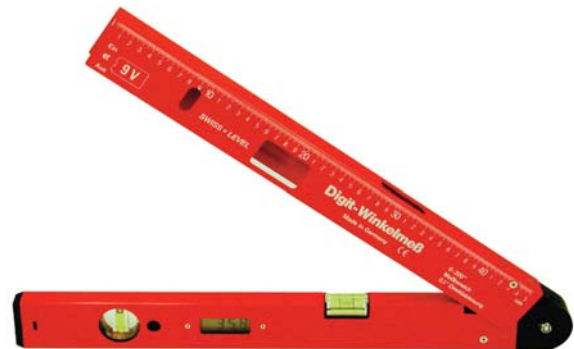
Quick and reliable measurement and duplication of angles with our electronic protractors. Measuring angles in any position - just take measurements direct from drawings and then transfer where they are needed. An industry standard for every carpenter's tool box.

### Digital electronic protractor W40 / W60

A first class instrument for carpenters, window and door installers. The W40 and W60 can measure any angle on the construction site. The flat profiles can measure angles in any direction and measurements can be taken from the construction plans and then easily transferred to the desired location on site. High accuracy measurement saves time when you build it right the first time. An oversize LCD display eliminates reading mistakes common with analog models. The design of the profile allows the legs to become longer by simply laying your builder's level on the profile. Measures all angles between 0° and 185° with high accuracy and repeatability.



W40



W60



C400

### Padded cases C250 - C1200

To protect your digital electronic inclinometer / protractor against moisture and dust on the construction site use the optional padded cases with zipper and different lengths.



Model	Length	Item Nr.
C250	250mm	SL-0300100
C400	400mm	SL-0300115
C600	600mm	SL-0300101
C1200	1200mm	SL-0300102

Specification	W40	W60
Accuracy	± 0.2°	
Angle range	0° - 185°	
Length	37cm	50cm
Battery	1x 9V	
Item Nr.	SL-0200130	SL-0200131



# Distance measuring instruments

## Laser and ultrasonic meters



U20

The DISTO makes short work of once complicated interior measurements requiring two workers. Straight line measurements, continuous measurement, area and volume calculations are done in few seconds. Save time for your layout crew and reduce costly positioning errors.

### Estimator U20

This low cost ultrasonic measurement tool is ideal for a quick estimation of distances up to 18m. The perfect tool for painters, carpet installers or HVAC for estimating room dimensions and volumes. The display is backlit so measurements even in area with poor lighting can be easily carried out. The laser pointer indicates approximate location of the measurement.



D2



D3

### D2

The compact base model was specifically designed for indoor applications. Shortcut keys for addition, subtraction, area and volume calculation make measuring fast and very reliable. The last 10 measurements are also stored. You can always see your targeting laser point, even if the target object is in a hard to access area.

### D3

The D3 is a multi-functional instrument to ensure simple, quick and reliable measurements. You can measure distances with absolute accuracy, past obstructions and determine angles quickly and precisely. The integrated tilt sensor also provides you with a horizontal distance measurement.

### Engineering and Specialty products

Several engineering models with features for long distance or specialty measurement requirements are also available. Specialty software and support systems as well as a complete program of accessories. Please contact us with your requirements.

Specification	Estimator U20	D2 / D3
Accuracy	± 3mm / 10m	± 1.5mm / ± 1mm
Measuring range	0.9 - 18m	0.05 - 60 / - 100m
Laser class	Cl.2 / 635nm	
Battery	1x 9V	2x AAA 1.5V
Item Nr.	SL-0250313	SL-0250300 / -303
Details	N/A	Batteries, Holster



# Distance measuring instruments

## Measuring wheels and telescopic rods

Comfortable and reliable the SWISS GEO LEVEL measuring wheels make short work out of measuring long distances. Streets, bridges, project sites or fences are simple and easy to measure and layout.

### Measuring Wheel M100

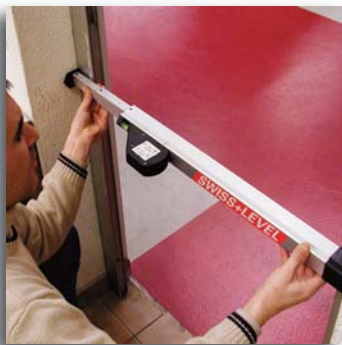
Strong heavy duty construction with high accuracy wheel. The M100 measures distances up to 10km. The folding handle makes transport and storage very easy. The all metal construction is jobsite tough and the M100 is balanced to stay on course for easier rolling and measurement. Wheel brake, quick reset counter, and tool stand are standard features on the M100.

### Measuring Wheel M75

Little brother and lighter version of M100: Lightweight plastic wheel, pistol grip with brake and strong aluminum handle. All these features at an economy price!

### Telestaff 3m / 5m

The telescopic measuring rods are designed to measure the inside dimensions of openings as doors and windows. Strong aluminium telescopic tubes, built-in measuring tape with a heavy-duty automatic rewind system, easy-to-read display and a vial that allows accurate and quick measurements.



Specification	Telestaff 3m	Telestaff 5m
Measuring range	660 - 3000mm	990 - 5000mm
Vial	Yes	
Item Nr.	SL-0320213	SL-0320215
Details	Carrying case	

Specification	M75	M100
Tolerance	± 0.1%	± 0.05%
Measuring range	0 - 9999.9m	0 - 9999.99m
Display resolution	10cm	1cm
Item Nr.	SL-0250410	SL-0250400
Details	Padded bag	Padded bag C100 (optional)

# Moisture content / Temperature meters

Determine the water content and temperature of materials



**Aquacheck Mini**

### Aquacheck Mini

A pocket size wonder using the proven penetrating pin system. Ideal for estimating or controlling moisture content in wood. The Aquacheck Mini can read accurately on a digital display and can also indicate the temperature of the material. Ideal for carpenters, painters and any trades where the moisture content of wooden materials is needed. Economical and in a handy pocket size with cap to cover the test pins - this tool belongs in every professional tool box.



**Aquacheck Combo**

### Aquacheck Combo

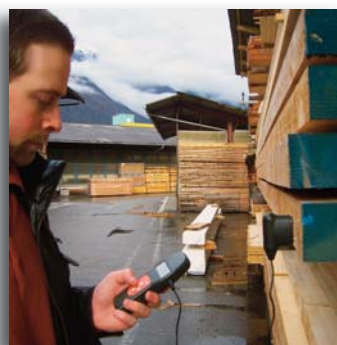
A practical hand held test instrument for determining moisture content in nearly all kinds of building materials. It includes a plug-in remote cable with pin tester (for checking specifically wood and other similar materials) as well as a built in sensor for measuring the moisture content without any damage to the material. The instrument features a variety of programs for many different types of wood and building materials, to get the desired accuracy needed by building professionals today.



**Infratemp IR200**

### Infratemp IR200

An economical infrared thermometer that measures the temperature from a distance without touching the surface of the object to be measured. This tool is perfect for controlling surfaces which are difficult to reach, are moving or rotating, are dangerous (live wire) etc. It's used for a wide range of construction and industrial applications. Particularly useful for detecting areas with temperature differences around windows and doors that result from heat loss and tend to collect moisture.



Specification	Aquacheck Mini	Aquacheck Combo	Infratemp IR200
Measuring range	6 - 42% (wood) 0.2 - 2% (others)	0 - 80%	-20 to 200°C
Battery	4x LR44 1.5V	4x AAA 1.5V	1x 9V
Item Nr.	SL-0280115	SL-0280160	SL-0280400
Details	Lanyard, Batteries	Padded case, Spare pins	N/A

# Concrete test hammer / Pathfinder II

Determine concrete compressive strength or find hidden objects

Knowing what you are getting into is important before you start with any project. Our concrete test hammer will give you an indication of concrete compressive strength and the Pathfinder II will help you find metal, wood or electric cables behind a variety of base materials.

### SL-0280202 Pathfinder II

This easy to use 3 in 1 scanner allows you to find wood, metal or cables without damage to the material. The Pathfinder II is a proven technology with thousands and thousands already on the construction site. The latest model is our second generation with many improvements over the original like improved sensitivity for metal, wood and cables. The Pathfinder II is also one of the only models on the market that will give you satisfactory results even in low temperatures.

Ideal for finding rebar in concrete or steel studs behind gypsum board - up to 5cm depth. Simply scan over the surface and the large LCD and audible signal will let you know where the metal is.

If you were ever trying to make a fastening to drywall boards, you know how important it is to find the metal or wood backing. Simply scan over the surface and Pathfinder lets you know.

### Concrete test hammer CM70

The CM70 is a must for every professional builder working with concrete. An indispensable non destructive test instrument for determining concrete compressive strength in reinforced concrete structures. Quick and easy to use, the CM70 can deliver estimates of concrete strength in seconds. Save time on site by determining when the next forming operation and concrete pour can start. Save money on costly drilling tools, and diamond cutting equipment by choosing the right tool for your conditions.



Pathfinder



CM70



Specification	CM70
Accuracy	2 kN/mm <sup>2</sup>
Measuring range	10 - 70 N/mm <sup>2</sup>
Item Nr.	SL-0280300
Details	Polishing stone, Padded case

# Thickness measuring instruments

Determine coating thickness or base material thickness



**Coating thickness meter**

### Coating thickness meter

An affordable and easy to use professional tool for checking the coating thickness of non-magnetic materials like paint, corrosion protection varnish, enamel, plastic, porcelain, zinc, chrome etc. The substrate under the coating could be either magnetic metal (iron, steel, nickel etc.) or non magnetic metal (aluminum, brass etc.). The coating thickness meter delivers instant results using either the magnetic induction (for magnetic metals) or the eddy current (for non magnetic metals) principle. A quick calibration can be accomplished anytime with the provided calibration blocks.



**Ultrasonic thickness meter**

### Ultrasonic thickness meter

An affordable and easy to use professional tool for checking the thickness of a wide range of materials (e.g. steel, cast iron, aluminum, brass, quartz glass, PVC, polyethylene etc.). The ultrasonic thickness meter is ideal for finding manufacturing defects like voids, folds, laminations and thinnings or for monitoring thickness and corrosion rates (e.g. on pressure vessels or in the shipbuilding where access to only one side of the object to be measured is available).



Specification	Coating thickness meter	Ultrasonic thickness meter
Accuracy	± 1~3% n / 2.5um / 0.1mil	± (0.5%n+0.1)
Measuring range	0 - 1250um / 0 - 50mil	1.0 - 200mm
Resolution	0.1um (0 to 99.9um), 1um (over 100um)	0.1mm / 0.001 inch
Battery	4x AAA 1.5V	4x AAA 1.5V
Item Nr.	SL-0280210	SL-0280215
Details	2 external probes, 2 calibration blocks Set of calibration foils, Plastic case	External ultrasonic sensor, Glycerine oil, Plastic case

# Specialty meters

Rotation speed, sound level or pH / Chlor measuring



## Digital tachometer

This accurate and safe instrument measures a wide range of rotation speeds without any contact with the object to be measured. Simply aim the highly visible laser beam at a reflective mark placed on a rotating device and read the values. The digital tachometer is ideal for measuring the rotation speed of engines. The maximum or minimum values as well as the last value measured can be easily recalled with the memory function.

## Sound level meter

A highly professional instrument for measuring the sound intensity in all types of acoustic environments. Ideal for controlling the noise level on construction sites or in factories to protect the workers and other people against noise-induced deafness. The sound level meter supports both A and C frequency weighting and can be connected to recording or other measurement equipment.

## SL-0280440 pH / Chlorine Tester

The pH / Chlorine Tester is ideal for commercial, residential or municipal water or other liquid quality testing and delivers quick and reliable results. Save your time and money for test strips and try out our new economical pH / Chlorine Tester.



Tachometer



Sound level meter



pH / Chlorine tester

Specification	Tachometer
Accuracy	± (0.05%+1 rpm)
Measuring range	2.5 - 99999 rpm
Laser class	Cl.2 / 635nm
Battery	4x AA 1.5V
Item Nr.	SL-0280430
Details	Reflecting tape marks, Padded case

Specification	Sound level meter
Accuracy	± 2 dB @114 dB
Measuring range	50 - 126 dB
Load impedance	10 kohm minimum
Battery	1x 9V
Item Nr.	SL-0280420
Details	Padded case

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