NIVEL SYSTEM

Measurement solutions

for construction and surveying

www.nivelsystem.com

History

Nivel System is a brand of measuring instruments for construction and surveying introduced to the market in 2003.

The target group for Nivel System products includes a wide range of clients who set such basic criteria for the equipment purchased by them as affordable price and simultaneous guarantee of adequate quality, which gives the possibility of using professional measurement sets at a lower cost than thus far.

The Nivel System instruments are characterised by their own original design and colours, which causes that this trusted brand can be easily recognised without any doubts. Nivel System is a guarantee of safe and comfortable work in many typical applications. Most of the instruments satisfy the international standard for waterproof rating (IP). A network of service centres provides each user with the access to professional services.

www.nivelsystem.com

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Reliable and proven equipment. All levels and theodolites are checked before their sale and - if the need be - calibrated. The whole procedure is confirmed with a certificate issued for a given instrument, which guarantees the quality of measurements made.

N24x, N32x

One of the most widespread optical levels in our market. Reliable and proven optical instruments providing precise measurements for construction works. Their advantages include clear and legible image, high-precision measurement, guarantee of stability while measuring (magnetic compensator), resistance to difficult working conditions (IPX6) and 5-year guarantee. Their qualities are confirmed by the most demanding representatives of construction and surveying companies.

Optical levels

Bright image, effective vibration reduction, 5-year guarantee

Top- quality optical system; clear and readable image, large magnification

Safe operation for years; 5-year guarantee provided by authorised Service Centre

High accuracy of measurements; 1.5 – 2.0 mm/1 km of reciprocating levelling

Safety of operation; equipment check before sale, certificate issued for each instrument

Protected horizontal circle; greater durability for setting out angles

Reliable and proven measurements in the field; top-quality magnetic compensator damps even the slightest ground vibrations and thus ensures correct measurements, even in difficult conditions on construction sites

Resistant to difficult working conditions; robust metal structure, waterproof casing (IPX6)

Model	N24x	N32x
Accuracy	2.0 mm/km	1.5 mm/km
Magnification	24x	32x
Telescope length	215 mm	
Lens diameter	36 mm	42 mm
Minimum focal length	0.3 m	
Waterproof rating	IPX6	
Dimensions	130 x 215 x 140 mm	
Weight of instrument	1.75 kg	

Electronic theodolites

Bright image; tightly sealed metal casing; easy to operate

DT-2, DT-2L, DT-5

Nivel System electronic theodolites are precise measuring instruments with a variety of applications: measurement of angles, directions, elevations, slopes, setting out, transferring azimuths to shafts, etc. High-quality optics guarantees bright and legible measurements. Exceptionally easy and intuitive operation is possible thanks to big back-lit display unit. Single-axis compensator and laser plummet make it easy to position the theodolite while working in the field, and its waterproof casing (IPX6) allows the operation even in the toughest conditions on the construction site.

DT-2 model

DT-2L model

DT-5 model

Model	DT-2	DT-2L	DT-5
Accuracy	2”		5”
Magnification	30x		
Laser beam	no	yes	no
Display unit	2 sides, back-lit		
Compensator	single axis, ±3’		
Plummet	laser		
Waterproof rating	IPX6		
Tribrach	detachable		
Dimensions	160 x 190 x 324 mm		
Weight of instrument	4.8 kg		

DL60, DL60L

Precise and fast-to-use electronic levels with digital readout of position on LCD display unit. It can be also operated in the inverted position (turned by 180 degrees - upside down). If it is difficult to read the values on LCD display, the values can be "frozen" on the display (a beep indicates the level). DL60L model is equipped with the laser beam.

Electronic levels

Readable LCD display; operation in the inverted position, easy calibration while working in the field

DL60 model

DL60L model

Model	DL60	DL60L
Accuracy	±0.1°	
Length	600 mm	
Laser beam	no	yes
Modes of operation	degrees/percent	
Dimensions	600 x 51 x 25 mm	
Weight of instrument	0.47 kg	

Faster, easier, more accurate

The Nivel System laser crossliners are designed for works in horizontal, vertical and sloping planes.

Wide range of works

Laying terracotta tiles is fast and accurate thanks to laser lines setting out right angles on the floor. The Nivel System lasers guarantee that laying wall tiles, making complex interior walls and ceilings of wallboards, or fitting stucco made of gypsum have never been easier.

Avoid costly errors

High-precision Nivel System lasers used for setting and controlling the levelling during the inside and outside works guarantee the best results of the performed works.

FL1, FL1G

All-purpose and easy-to-use floor laser crossliners

- Projects 2 laser beams crossing at a right angle
- Used to precisely set the reference lines on the floor
- FL1G - very good visibility of green laser beam (also in bright rooms)
- Perfect for finishing, floor-laying works (e.g. tiling)

Laser crossliners

Red laser beam for FL1 and green laser beam for FL1G; combines properties of floor and crossline lasers

FL1G model

FL1 model

Model	FL1	FL1G
Laser (visible)	red	green
Accuracy	±1 mm/5 m	
Beam display / angle	2 beams/90° (±60”)	
Operating range	20 m	
Self-levelling range	±3°	
Waterproof rating	IP42	
Power supply	4.5 V (3 x AA)	
Operating temperature range	-15°C do +45°C	
Mount	1/4”	
Dimensions	131 x 109 x 90 mm	
Weight of instrument	0.41 kg	

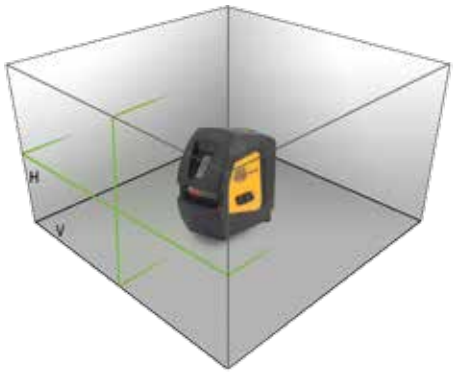
Laser crossliners

Red laser beam for CL1 and green laser beam for CL1G, 2 planes (1 x vertical, 1 x horizontal)

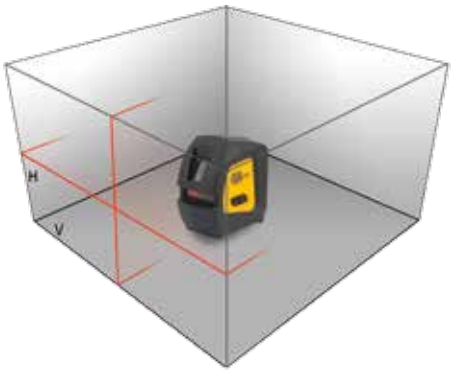
CL1, CL1G

All-purpose and easy-to-use laser crossliners

- For performance of works in horizontal and vertical (and sloping) planes
- 2 beams (vertical and horizontal planes) + laser point
- High accuracy of operation
- CL1G - very good visibility of green laser beam (also in bright rooms)
- Possibility of operation with laser sensor (optional pulse mode)
- Perfect for works in vertical, horizontal and perpendicular planes
- Resistant to difficult working conditions (IP54)
- CL-BR2 adapter - used to set up height and direction of generated laser beam and direction of generated laser beam



CL1G model



CL1 model

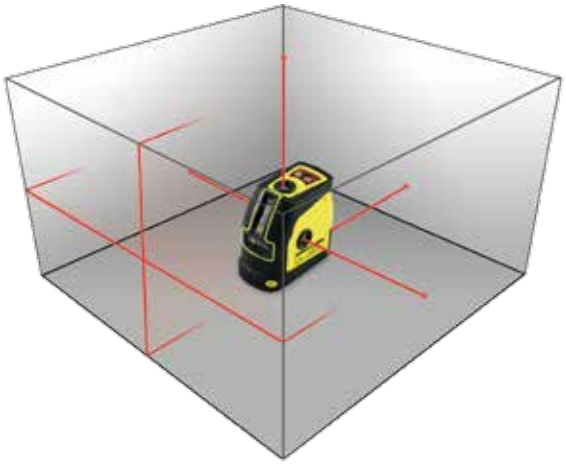
Laser crossliners

CL2

Multi-laser crossliner with point laser option

- For performance of works in horizontal and vertical (and sloping) planes
- 2 beams (vertical and horizontal planes)
- 5 laser points (sets 3 axes)
- High accuracy of operation
- Possibility of operation with laser sensor (optional pulse mode)
- Perfect for works in vertical, horizontal and perpendicular planes
- Resistant to difficult working conditions (IP54)

Red laser beam for CL2, 2 planes (1 x vertical, 1 x horizontal), 5 laser points



CL2 model

Model	CL1	CL1G	CL2
Laser (visible)	red	green	red
Accuracy	±1 mm/5 m		
Beam display/angle	2 beams/90° (±60”)		
Laser points	1		5 (3 axes)
Operating range	15 m (50 m with a sensor)		
Self-levelling range	±3°		±4°
Waterproof rating	IP54		
Power supply	4.5 V (3 x AA)		
Operating temperature range	-15°C do +45°C		-10°C do +45°C
Mount	1/4", 5/8"		1/4"
Dimensions	105 x 55 x 104 mm		112 x 113 x 63 mm
Weight of instrument	0.42 kg		0.55 kg

The most efficient, the most effective. CL1D and CL3D laser crossliners generate 360° planes and thus provide full control of horizontal and vertical lines during construction and building works. Nivel System construction lasers - check their efficiency on your own!

Laser crossliners

CL1D, CL1D-G, CL3D, CL3D-G

All-purpose and easy-to-use 3D multi-laser crossliner

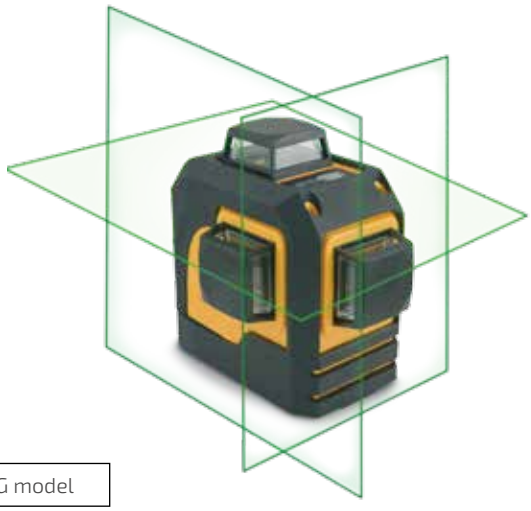
- Accurate and reliable
- Laser crossliners operating in 360° planes
- Resistant to difficult working conditions
- Bright red laser light
- Intuitive operation

Red laser beam for CL1D and green laser beam for CL1D-G, 2 planes (1 x horizontal (360°), 1 x vertical), easy and quick to operate

CL1D-G model

CL1D model

Red laser beam for CL3D and green laser beam for CL3D-G, 3 360° planes (1 x horizontal, 2 x vertical), easy and quick to operate



CL3D-G model

CL3D model

Model	CL1D	CL1D-G	CL3D	CL3D-G
Laser (visible)	red	green	red	green
Accuracy	±1 mm/5 m			
Plane display	horizontal (360°), vertical (90°)		2 vertical (360°) and horizontal (360°)	
Operating range	20 m (60 m with a sensor)			
Self-levelling range	±3.5°			
Waterproof rating	IP44		IP54	
Power supply	6 V (4 x AA)			
Operating temperature range	-10°C do +50°C			
Mount	1/4”			
Dimensions	110 x 60 x 121 mm		115 x 68 x 107 mm	
Weight of instrument	0.8 kg			

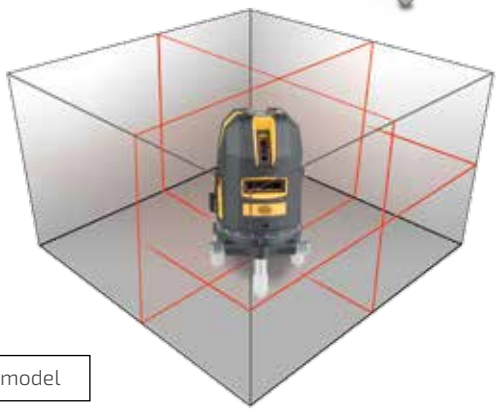
Laser crossliners

Red laser beam for CL4 and green laser beam for CL4G, 3 planes (1 x horizontal, 2 x vertical (360°), precise fitting in

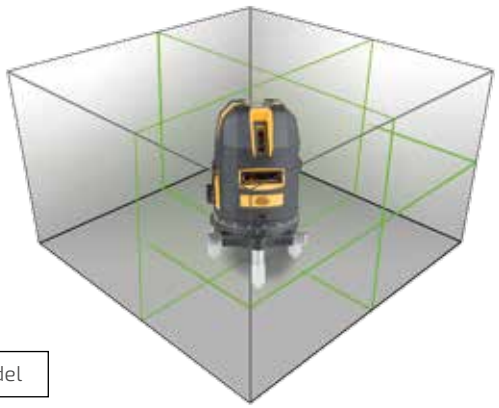
CL4, CL4G

CL4 and CL4G Nivel System multi-laser crossliners offer comprehensive functionality. It means that they can be used for measurements in general building works, bricklaying works, construction works, and highly precise finishing works. High-quality laser optics allows to obtain precise measurements with bright and clearly visible light beam. 2 reference planes (360°) are set by four vertical beams plus one horizontal beam. CL4 and CL4G are equipped with tangent screw with scaled horizontal circle, which allows accurate adjustment of the laser beam display direction (also in accordance with the value of the angle). In addition, the equipment features a laser plummet that makes it easy to set up the laser, to align its beam when performing works in vertical planes, and to transfer points (from floor to ceiling, etc.).

- For performance of works in horizontal and vertical planes - 3 planes (2 vertical and 1 horizontal) + laser point
- Laser plummet (down)
- High accuracy of operation
- For inside and outside works (with a laser sensor - optional pulse mode)
- Resistant to difficult working conditions (IP54)
- CL4G - very good visibility of green laser beam (also in bright rooms)



CL4 model



CL4G model

Model	CL4	CL4G
Laser (visible)	red	green
Accuracy	±1 mm/5 m	
Beam display / planes	3 (2 vertical and 1 horizontal)	
Operating range	15 m (50 m with a sensor)	
Self-levelling range	±3°	
Laser points/Laser plummet	1/yes (down)	
Power supply	4.5 V (3 x AA)	
Operating temperature range	-15°C do +45°C	
Mount	5/8"	
Waterproof rating	IP54	
Dimensions	110 x 191 mm	
Weight of instrument	0.997 kg	

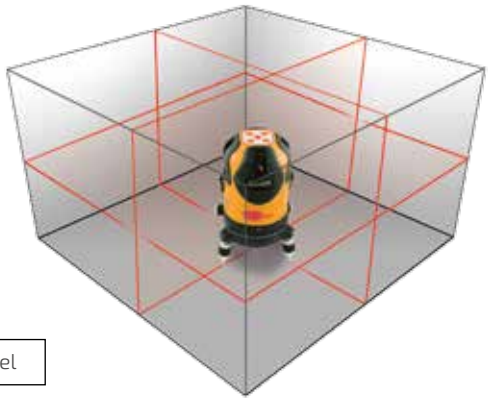
Laser crossliners

CL8, CL8G

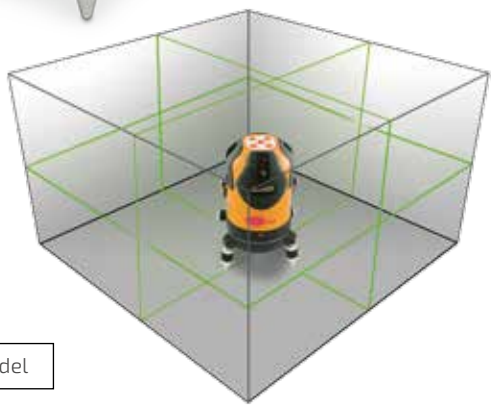
CL8 and CL8G Nivel System multi-laser crossliners are one of the most precise lasers replacing a bubble level or classic levelling instrument in majority of construction works. They are used to project horizontal and vertical reference lines on the wall which then serve as reference in all general building and construction works. The device sets 3 laser planes: 2 vertical ones and a horizontal one (360° each). It simultaneously emits vertical and horizontal laser beams, which enables the projection of the right angle. Tangent screw with the horizontal circle guarantees the alignment of vertical beam even in precise finishing works (tiling, stucco).

- Highly accurate and reliable equipment
- 3 full laser planes (360°)
- For inside and outside works (with a laser sensor - optional pulse mode)
- CL8G - very good visibility of green laser beam (also in bright rooms)
- Electronic compensator
- Economical rechargeable batteries

Red laser beam for CL8 and green laser beam for CL8G, 3 360° planes (1 x horizontal, 2 x vertical), electronic compensator (the best vibration reduction while working in the field)



CL8 model



CL8G model

Model	CL8	CL8G
Laser (visible)	red	green
Accuracy	±1 mm/10 m	
Plane display	3 (2 vertical and 1 horizontal)/360°	
Operating range	20 m (60 m with a sensor)	
Electronic compensator	yes	
Laser plummet	yes (down)	
Power supply	3.7 V 5400 mAh	7.4 V 2700 mAh
Operating temperature range	-10°C do +45°C	
Dimensions	200 x 120 mm	
Weight of instrument	1.8 kg	

Which LASER to choose?

Measurements

are the most significant activities on construction sites. At the beginning, they are necessary to estimate the amount of necessary materials and the costs of works. Afterwards, they enable their accurate performance. Towards the end, they are made to control the proper performance of works and to verify their quality after completion of construction works.

The measurements themselves are important, but their results are of even greater significance. Any errors or inaccuracies may thwart the efforts and works undertaken by many people as well as cause considerable losses of construction materials and result in contractual penalties and lost trust of your investors. Therefore, the advancement in construction technologies is used to build even more accurate measurements solutions for construction industry.

State of the art and professional Nivel System construction lasers are the most perfect measurement instruments and offer a comprehensive range of applications. They can be used to set horizontal, vertical, perpendicular or sloping planes, make measurements in inaccessible spaces, or control the operation of construction machines.

The choice of the laser depends on the type of construction works it is needed for.

Remember!

Select a brand-name product that is good and proven while working in the field, and offered by a reliable company that additionally provides professional consulting and maintenance services.

Lasers may be used at any place where optical instruments have been used thus far.

The greater the laser range is, the higher accuracy is usually guaranteed at shorter distances.

Only carefully selected accessories enable the use of laser equipment in its full range.

The most important advantages of construction lasers

Provide high accuracy that is ahead of traditional methods.

Speed up your work and are user-friendly: lasers set the level or inclination in a continuous manner and thus constant control of height is easier and more efficient.

Result in savings in the costs of work: all measurements may be made by just one person.

Cut the costs of materials: high precision of measurements reduces the amount of consumed materials.

Eliminate human errors arising from incorrect reading of values during traditional levelling and enable the identification of contractors' errors during their works - thus, they eliminate the need for costly corrections.

Provide the possibility of making measurements in conditions which are too difficult for any employee to make them.

Why choosing lasers with green beam?

The visibility of the green beam is 4 times better than that of the red one. Thus, you may work with longer distances and in bright and sunlit rooms where the red beam is poorly visible or not at all.

Rotating laser levels

NL200, NL200G

Laser levels designed for horizontal works - an economical solution for all general building and construction works.

- Horizontal works
- Performance of works with visible red beam (NL200) and green beam (NL200G)
- High accuracy (±1.0 mm/10 m)
- Range (diameter of operation): 300 m
- Resistant to difficult working conditions (IP64)
- Safe operation for years (maintenance and support services)

Easy and quick to use and very efficient; excellent price-quality ratio

NL200 model

NL200G model

Laser sensor

RD100/RD100G

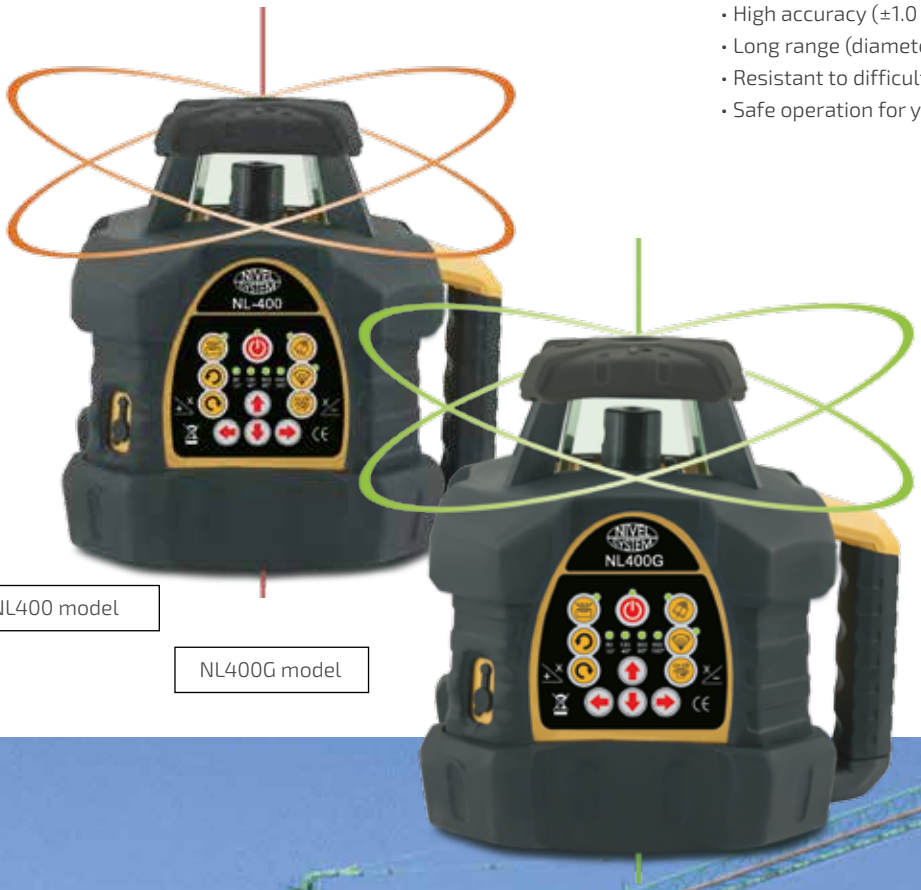
Laser sensor (option)

RD600 Digital

Model	NL200	NL200G
Laser (visible)	red	green
Accuracy	±1.0 mm/10 m	
Range of operation (diameter)	300 m	
Power supply	rechargeable batteries	
Waterproof rating	IP64	
Dimensions	160 z 160 x 200 mm	
Weight of instrument	1.9 kg	

Rotating laser levels

Universal and multi-purpose levels, widespread solution for many building and construction works, works with a manual slope



NL400 model

NL400G model

NL400, NL400G

Multi-purpose laser levels designed for horizontal and vertical works - a perfect solution for all general building and construction works.

- Horizontal and vertical works
- Works with manual slope in one or two directions
- Performance of works with visible red beam (NL400) and green beam (NL400G)
- Scan function
- High accuracy (±1.0 mm/10 m)
- Long range (diameter of operation): 500 m
- Resistant to difficult working conditions (IP64)
- Safe operation for years (maintenance and support services)

Laser sensor

RD400/RD400G

Laser sensor (optional)

RD600 Digital

Rotating laser levels

NL410, NL410G

Multi-purpose laser levels for horizontal and vertical works with the possibility of setting digital slopes. Easy and quick measurements High quality at an affordable price!

- Horizontal and vertical works
- Works with digital slope in one or two directions
- Performance of works with visible red beam (NL410) and green beam (NL410G)
- Scan function
- High accuracy (±1.0 mm/10 m)
- Long range (diameter of operation): 500 m
- Resistant to difficult working conditions (IP64)
- Safe operation for years (maintenance and support services)

Universal and multi-purpose levels, wide-spread solution for many building and construction works, works with a digital slope

NL410G model

NL410 model

Laser sensor

RD400/RD400G

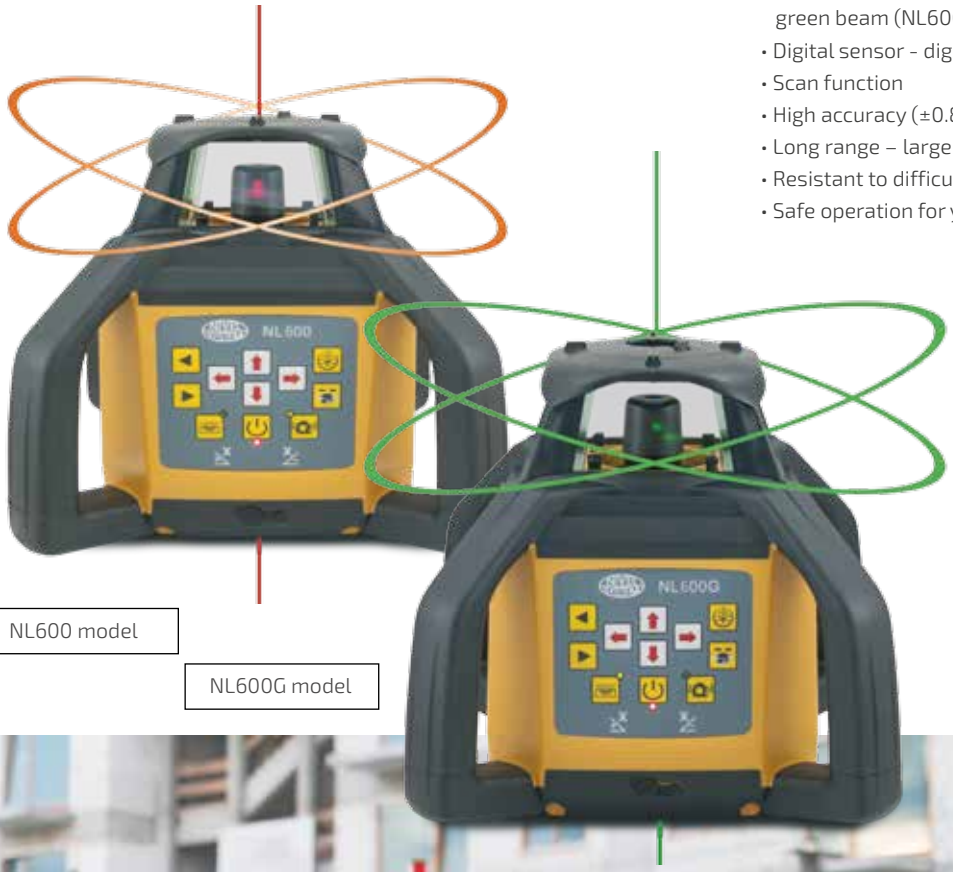
Laser sensor (option)

RD600 Digital

Model	NL400	NL400G	NL410	NL410G
Laser (visible)	red	green	red	green
Accuracy	±1.0 mm/10 m			
Range of operation (diameter)	500 m			
Degree of sloping	±8% (in X and Y axes - manually)		±8% (in X and Y axes - digitally)	
Head rotation speed	variable, max. 600 rev/min			
Power supply	rechargeable batteries			
Waterproof rating	IP64			
Dimensions	180 x 180 x 220 mm			
Weight of instrument	2.8 kg			

Rotating laser levels

Multi-purpose, accurate, long-range levels, works with manual slope



NL600 model

NL600G model

NL600, NL600G

Multi-purpose laser levels for horizontal and vertical works with the possibility of setting slopes in two directions, ensuring easy and fast laser measurements thanks to the state-of-the-art digital sensor system. High quality at an affordable price!

- For performance of works in horizontal and vertical planes or works with a manual slope in one or two directions
- Performance of works with visible - red beam (NL600), green beam (NL600G) NL600G)
- Digital sensor - digital results for height differences
- Scan function
- High accuracy (±0.8 mm/10 m)
- Long range – large diameter of operation: 700 m
- Resistant to difficult working conditions (IP66)
- Safe operation for years (maintenance and support services)

Laser sensor

RD500 Digital

Rotating laser levels

NL610, NL610G

Multi-purpose laser levels for horizontal and vertical works with the possibility of setting digital slopes in two directions, ensuring easy and fast laser measurements thanks to the state-of-the-art digital sensor system. High quality at an affordable price!

- For performance of works in horizontal and vertical planes or works with a slope (digital) in one or two directions
- Performance of works with visible - red beam (NL610), green beam (NL610G)
- Digital sensor - digital results for height differences
- Scan function
- High accuracy (±0.8 mm/10 m)
- Long range – large diameter of operation: 700 m
- Remote (radio) control
- Resistant to difficult working conditions (IP56)
- Safe operation for years (maintenance and support services)

Multi-purpose, accurate, long-range levels, works with digital slope

NL610 model

NL610G model

Laser sensor

RD500 Digital

Model	NL600	NL600G	NL610	NL610G
Laser (visible)	red	green	red	green
Accuracy	±0.8 mm/10 m			
Range of operation (diameter)	700 m			
Degree of sloping	±10% (in X and Y axes - manually)		±10% (in X and Y axes - digitally)	
Head rotation speed	variable, max. 600 rev/min			
Power supply	rechargeable batteries			
Waterproof rating	IP66		IP56	
Dimensions	206 x 206 x 211 mm			
Weight of instrument	2.8 kg		2.5 kg	

Rotating laser levels
Long range

Long range, high accuracy and resistance - the best for machine control

Laser sensor

RD100 model

Laser sensor (optional)

RD600 model

NL810

The most powerful in its class - long-range laser level, designed for roadworks and earthworks in difficult field conditions. Hight accuracy and quick operation - it performs very well in construction machine control systems.

- For performance of horizontal long-range works or works with a digital slope in one or two directions
- Optical collimator facilitating laser alignment with the axis of slope
- Possibility of cooperation with laser machine control systems
- Performance of works with visible red beam
- Scan function
- High accuracy (15", ± 0.7 mm/10 m)
- Long range – large diameter of operation: 800 m
- Remote (radio) control
- Resistant to difficult working conditions (IP54)
- Safe operation for years (maintenance and support services)

Model	NL810
Laser (visible)	red
Accuracy	±0.7 mm/10 m
Range of operation (diameter)	800 m
Degree of sloping	±8.0% (in X and Y axes - digitally)
Head rotation speed	variable, max. 600 rev/min
Power supply	rechargeable batteries
Waterproof rating	IP54
Dimensions	160 x 160 x 240 mm
Weight of instrument	3.2 kg

Laser plummets

PLV-1A, PLV-1B

PLV-1 laser plummets are equipped with high-quality optics - their operation is based on laser technology. The device can be used to set plumb reference, and plumb points up and down. Visible laser beam precisely sets the reference for construction and surveying works, as well as for the works in the industry, mines, and other engineering areas.

- High definition, large field of view - high-quality optical system, laser brightness adjustable to working conditions
- Innovative laser technology - precise alignment of plumb points, bright and clear laser beam
- Shock resistant
- Easy to operate - potentiometer knobs are convenient to use when managing the functions of the device. Infinity focus adjusting knob
- Tight and rugged casing - can be used in the toughest conditions - the equipment is water- and dustproof (IP55).

High-accuracy plummets for any construction works

Model	PLV-1A	PLV-1B
Laser beam	red (635 nm, 5 mW class II)	
Spot size	≥3 mm/80 m	
Laser range	120 m - day (250 m - night)	
Accuracy - lower laser beam	±1 mm/2 m	
Accuracy - upper laser beam	±1 mm/45 m	
Magnification	26x	
Angle of view	1°30’	
Diameter	36 mm	
Shortest viewing distance	0.4 m	
Detachable tribrach	yes	no
Operating temperature range	-10°C do +50°C	
Power supply	4.5 V (3 x AA)	
Mount	5/8”	
Waterproof rating	IP55	
Dimensions	120 x 290 mm	
Weight of instrument	2.8 kg	

Modern and functional laser distance meters.

Nivel System distance meters - for fast and accurate performance of works, even the most demanding ones. The HDM series of distance meters offers a number of practical functions which increase the effectiveness of any works.

Laser distance meters

HDM series

The series of laser distance meters that are designed for any construction works. Small, lightweight and handy. They accurately measure the distance and the obtained values may be used to do numerous calculations. Red and clear laser spot makes it easy to aim at objects. Large, easy-to-read and back-lit display unit is used to read current results of measurements and calculations. Intuitive software makes the measuring easy, fast and accurate.

Practical functionality, perfect for inventory taking, measurements for interior designs, construction and finishing works

HDM-5/-7/-9/-12 series

- State-of-the-art and fast processor
- Ranges: 50, 70, 90 and 120 m
- 13 practical functions
- Saving up to 100 values
- High accuracy: 2 mm

HDM-50/-70/-90/-120 series

- State-of-the-art and fast processor
- Ranges: 50, 70, 90 and 120 m
- 14 practical functions
- Saving up to 100 values
- Data transfer: USB, Bluetooth
- Practical application
- High accuracy: 2 mm

HDM-120 model

HDM-12 model

Model	HDM-5	HDM-7	HDM-9	HDM-12	HDM-50	HDM-70	HDM-90	HDM-120
Accuracy	±2 mm							
Range	50 m	70 m	90 m	120 m	50 m	70 m	90 m	120 m
Laser	class II, <1 mW, 635 nm							
Continuous distance measuring	yes							
Area/Volume	yes							
Pythagoras measuring	yes							
“Painter” function	yes							
Length/Area/Volume addition/subtraction	yes							
MAX & MIN Value	yes							
Skating-out	yes							
Delay measurement	yes							
Self-calibration	yes							
Angle of tilt	no				±90°			
Level bubble	yes				yes, electronic			
Backlight	yes							
Record	100							
USB connector	no				yes			
Bluetooth	no				yes			
Auto laser off/auto switch off	yes							
Working range	0~+40°C							
Waterproof rating	IP54							
Footer (corner measurement)	yes							
Power supply	2 x 1.5V (AAA)				Ni-MH 3 x 1.2 V 800 mAh			
Dimensions	118 x 54 x 28 mm				125 x 54 x 27 mm			
Weight of instrument	132 g							

Measuring wheels

Resistant, quick to use, indispensable for roadworks

M10 model

M100 model

M100 Digital model

M10, M100, M100 Digital

Accurate devices for road measurements that are fast to use

- Rugged structure made of aluminium and plastic
- Stable kickstand (excluding M10 model)
- Convenient-to-use brake
- Folding aluminium rod with a handle design that fits precisely any hand
- Yellow - and thus easily noticeable - wheel made of plastic
- Accurate and legible counter placed above the wheel / large and clear digits (M100 Digital - on the LCD)
- Easily resets numbers to "0" with just one move of the lever
- Subtraction when in reverse motion
- Measures distances up to 99,999.9 m
- Durable storage bag (protects the device during its transport)

Steel measuring tapes

ST-10, ST-20, ST-30A, ST-30B, ST-50A, ST-50B

The series of steel measuring tapes designed for any construction and surveying works. Coated, resistant to abrasion and rust. Available with tape leader of 0.1m (ST-30A, ST-50A). Measurements with class II accuracy. Durable, rugged, convenient-to-use construction.

Quick to use, resistant and accurate

ST-10, ST-20 model

ST-30B model

ST-50B model

ST-30A model

ST-50A model

Model	ST-10	ST-20	ST-30A	ST-30B	ST-50A	ST-50B
Length	10 m	20 m	30 m		50 m	
Width	0.013 m					
Tape leader	-		0.1 m	-	0.1 m	-

Tripods

Rugged and resistant, quick to use

SJJ-M1, SJJ1, SJJ1D, SJJ4, SJJ32, SJJ40, SWW8

A tripod is one of those measurement accessories that is necessary for the performance of 90% of measurement works. The choice of a tripod model appropriate for the tasks performed is half the success. Surveying measurements made with a total station or theodolite require wooden tripods which are characterised with considerable rigidity and guarantee the stability of the instrument. While aluminium tripods that are light and easily transportable are good for works carried out with optical or laser levels. Nivel System offers a range of tripods which facilitate the performance of all measuring tasks in the scope of surveying and general construction works.

SJJ1 model

SJJ4 model

SWW8 model

SJJ-M1 model

SJJ32 model

SJJ40 model

Model	SJJ-M1	SJJ1/SJJ1D	SJJ4	SJJ32	SJJ40	SWW8
Material	aluminum					wood
Min./Max. height	0.62/1.82 m	0.97/1.6 m	1.1/1.88 m	1.30/3.2 m	1.79/3.5 m	1.16/1.79 m
Type of lock	clamps		screws, clamps	clamps	screws, clamps	clamps
Type of head	1/4" screw (+ 5/8")	flat/spherical	flat			
Weight of instrument	1.6 kg	3.0 kg	5.6 kg	7.2 kg	8.8 kg	8.2 kg

Poles, levelling staves

Laser levelling staves
LS-24, LS-35

- 2.4 m (LS-24) or 3.5 m (LS-35)
- Practical laser sensor holder
- Staves with bull eye's level and metal clamp
- Precise graduation (millimetres)
- Sold with protective cover and bull eye's level

Rugged and resistant, quick to use

Telescopic levelling staves
TS-50, TS-70

- 5.0 m (TS-50) or 7.0 m (TS-70)
- Perfect for optical levels
- E-type staff for easy and accurate reading of measurement value
- Sold with protective cover and bull eye's level

Extension pole LP-32

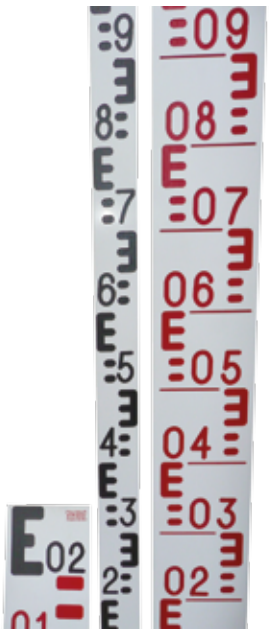
- Telescopic - 3.2 m
- Robust aluminium structure

Staff gauges

Staff gauge - a device in a form of a big ruler used to read the water level, fixed next to bridges, locks, sluice gates. Staff gauges are used in the state hydrological and meteorological network, hydrological posts, and hydraulic structures.

The basic graduation unit is 2 cm, and a figure is given every 10 cm. Water level is read with the accuracy to 1 cm by an observer at scheduled observation times.

The staff gauge is engraved, with white background, measurement markings - black and red, type of markings - to be selected.



Laser accessories

RD600 Digital | RD500 Digital | RD400 | RD100 | CLS-1

Laser sensors
RD600 Digital, RD500 Digital, RD400, RD100, CLS-1

- RD series designed for rotating laser levels, in two versions: with red and green laser beam. RD500 and RD600 sensor with numeric elevation (Digital)
- CLS series designed for laser crossliners (with optional pulse mode)

Chargers for lasers

- Series of chargers for Nivel System lasers (for rotating lasers from the NL series: CH-1, for CL8 laser crossliners: CH-2, for CL8G: CH-3)

Laser glasses
GL-R, GL-G

- Perfect for work with construction laser (GL-R - for red beam lasers, GL-G - for green beam lasers)

Laser targets
TR-R, TR-G

- Targets designed for work with laser beam (red - TR-R, green TR-G)
- Useful magnetic mounting system

Shelf for laser levels
YR

- Used to hang a level on the wall on the set height
- Accurate height setting
- Robust structure

Laser sensor holder
NL-BR, NL-BR500, NL-BR600

- Holder dedicated to laser sensors

Multi-adapters for construction lasers
CL-BR, CL-BR2

- Used to suspend construction lasers or mount them on a tripod.
- CL-BR2 allows convenient movement of the laser (up / down) and rotation

Tripod adapter
GA-XZPT, 3D

- GA-XZPT - used to mount a laser level on a tripod at any angle from 0° to 90°
- 3D - used to mount laser crossliners (with 1/4" tripod thread) or laser distance meters on a tripod (type: SJJ-M1) and to tilt them in any direction in 3 axes

Adapters

- Series of adapters and tripod adapters for laser crossliners
- Available versions: 1/4" - 5/8", 5/8" - 5/8", 5/8" - 1/4"

Service

NIVEL SYSTEM AUTHORISED SERVICE

Professional service | Large professional staff | Advanced machinery and equipment park

Guarantee repairs

We provide guarantee and post-guarantee repairs for our measurement instruments and continuously improve our technical facilities.

One-day inspections

To ensure your convenience and save your time, we recommend one--day inspections. Given our potential, we are able to perform any necessary servicing and maintenance works during one business day.

Free-of charge calibration

We also offer the service of verification and calibration that you can perform on your own with the use of collimators located in our regional points of sale.

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