



# Measurement solutions for construction

Product catalogue 2025

**NIVEL**  
SYSTEM

# NIVEL SYSTEM

## Measurement solutions for construction

Nivel System is a Polish brand that stands for high quality of measuring instruments and accessories. Our business activity was set up in 2003 and ever since has been driven by the experience we gained through the development, manufacture, supply and service of equipment.

The inspiration for our development and manufacture using our own patents is derived mainly from the feedback from our customers. We do not hesitate to reach for innovative ideas and we successfully implement pioneering solutions, such as the violet laser beam or 4-plane crossline lasers with electronic compensation. Our instruments are fitted up with top-quality components from leading worldwide suppliers to make our products meet the latest trends and expectations.

Thanks to an extensive network of distributors throughout Europe, Nivel System products are recognized and available in numerous hardware stores and specialist measurement equipment shops. Customers can test and choose from a wide range of equipment, up to their needs and possibilities.

We provide support through our regional dealers and have one of the most modern diagnostic platforms for construction lasers- Octopus Prime 3D. Nivel System instruments are checked and calibrated before sale as well as provided with a reliable and quick service while in operation.



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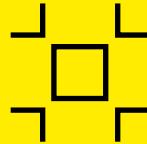
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# Optical measurements



## Precise measurements

Reliable and proven optical instruments providing precise measurements for construction works.



## Solid construction

Our equipment is resistant to extreme weather conditions, which allows them to work even in the most demanding environment.



## Dependable equipment

All levels and theodolites are checked before sales and – if required – calibrated. The whole procedure for given instrument is confirmed with an issued certificate. It guarantees the quality of the measurements made.

# N24x, N32x

Bright image, effective vibration reduction,  
5-year guarantee

- top-quality optical system; clear and readable image, high accuracy, large magnification
- reliable and proven measurements in the field
- protected horizontal circle; greater durability for setting out angles
- robust metal structure, waterproof casing
- top-quality magnetic compensator damps even the slightest ground vibrations and thus ensures correct measurements, even in difficult conditions on construction sites
- equipment check before sale, certificate issued for each instrument



## WARRANTY



## N24x

## N32x

<b>Accuracy</b>	2,0 mm / km	1,5 mm / km
<b>Magnification</b>	24x	32x
<b>Telescope length</b>	215 mm	
<b>Lens diameter</b>	36 mm	42 mm
<b>Minimum focal length</b>	0,3 m	
<b>Ingress Protection rating</b>	IPX6	
<b>Operating temperature</b>	-20°C~+50°C	
<b>Dimensions</b>	130 x 215 x 140 mm	
<b>Weight of instrument</b>	1,75 kg	

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

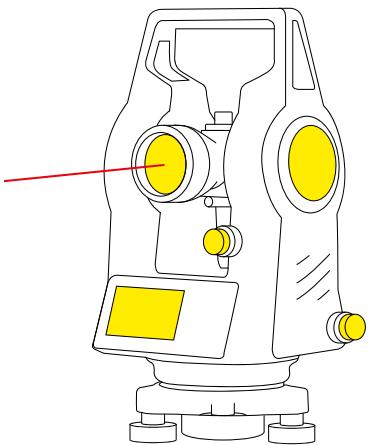
Bright image, tightly sealed metal casing, user friendly

- measurement results are displayed on the highlighted LCD screen
- precision of measurements - modern reading system allows the immediate use of the theodolite after removing it from the case
- the laser pointer on the DT-2L model enables measuring the angles and stakeout without using a telescope
- waterproof and dustproof
- single-axis compensator damps even the slightest ground vibrations, thus it ensures the correct measurements, even in extreme conditions on the construction sites



### DT-2      DT-2L      DT-5

<b>Accuracy</b>	2"	5"
<b>Magnification</b>	30x	
<b>Laser beam</b>	no	yes
<b>Display unit</b>	2 sides, back-lit	
<b>Compensator</b>	single axis, $\pm 3'$	
<b>Plummet</b>	laser	
<b>Ingress Protection rating</b>	IPX6	
<b>Tribrach</b>	detachable	
<b>Operating temperature</b>	-20°C~+50°C	
<b>Dimensions</b>	160 x 190 x 324 mm	
<b>Weight of instrument</b>	4,8 kg	



# EL-32

Precise and fast measurements,  
durable and reliable equipment

- the highest precision of measurements
- automatic measurements and the classical method
- continuous measurement mode
- resistant to severe terrain conditions
- measurement memory



**EL-32**

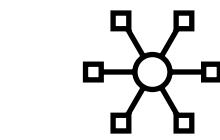
<b>Maginification</b>	32x						
<b>Electronic measurement</b>	± 1,0 mm / km						
<b>Visual measurement</b>	± 1,5 mm / km						
<b>Accuracy of distance measurement</b>	<table border="0"> <tr> <td><b>D ≤ 10m</b></td><td>&lt; ±10mm</td></tr> <tr> <td><b>10m &lt; D ≤ 50m</b></td><td>&lt; ±0,1% D</td></tr> <tr> <td><b>D &gt; 50m</b></td><td>&lt; ±0,2% D</td></tr> </table>	<b>D ≤ 10m</b>	< ±10mm	<b>10m &lt; D ≤ 50m</b>	< ±0,1% D	<b>D &gt; 50m</b>	< ±0,2% D
<b>D ≤ 10m</b>	< ±10mm						
<b>10m &lt; D ≤ 50m</b>	< ±0,1% D						
<b>D &gt; 50m</b>	< ±0,2% D						
<b>Measuring range</b>	2 – 100 m						
<b>Measuring time</b>	< 3 seconds						
<b>Power supply</b>	2200 mAh, about 20 hours						
<b>Compensator</b>	<table border="0"> <tr> <td><b>Type</b></td><td>magnetic</td></tr> <tr> <td><b>Compensation range, accuracy</b></td><td>± 15', 0,3"/min</td></tr> </table>	<b>Type</b>	magnetic	<b>Compensation range, accuracy</b>	± 15', 0,3"/min		
<b>Type</b>	magnetic						
<b>Compensation range, accuracy</b>	± 15', 0,3"/min						
<b>Data storage</b>	<table border="0"> <tr> <td><b>Internal</b></td><td>1000 records</td></tr> <tr> <td><b>Interface</b></td><td>micro-USB</td></tr> </table>	<b>Internal</b>	1000 records	<b>Interface</b>	micro-USB		
<b>Internal</b>	1000 records						
<b>Interface</b>	micro-USB						
<b>Ingress Protection rating</b>	IP55						
<b>Operating temperature</b>	-20°C~+50°C						
<b>Dimensions</b>	240 x 130 x 205 mm						
<b>Weight of instrument</b>	1,9 kg						

# Construction levels



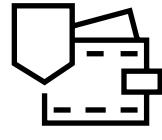
## Faster, easier, more accurate

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



## Wide range of works

Laying terracotta tiles down is fast and accurate thanks to the laser lines that are set out at 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 plaster boards have never been simpler.



## Without costly errors

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

# Which laser to choose?

## Laser colors. What are the differences, what color should you choose?

### RED LASER

- **535 nm** – wavelength of light
- **the most economical** – cheaper than other beam colors
- **recommended for working in less sunny rooms**
- **outdoor work** – the use of laser sensors is required

### GREEN LASER

- **515 nm** – wavelength of light
- **the most popular** because it is **more visible in bright rooms** (4 times more visible compared to a red laser)
- **outdoor work** – the use of laser sensors is required

### BLUE LASER

- **505 nm** – wavelength of light
- **similar in color to the green beam** (this is due to slight differences in the wavelength of light) – **which ensures comparable visibility**
- **very well cut off by the edge of the beam** – it is **slightly thinner than the green one**
- **affects the comfort of work** – the beam is clearer and not overexposed
- **recommended for all works requiring high accuracy**
- **outdoor work** – the use of laser sensors is required

### VIOLET LASER

- **450 nm** – wavelength of light
- **visibility comparable to green and blue beams**
- **very well cut off by the edge of the beam** – similar to the blue beam
- **affects the comfort of work** – the beam is clearer and not overexposed
- **recommended** for all works requiring **high accuracy**
- **stands out perfectly on the construction site**, surrounded by other beam colors
- **outdoor work** – the use of laser sensors is required

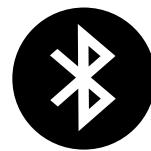
## The most important advantages of the construction lasers:

- provide higher accuracy that is far ahead of the traditional methods
- speed up your work with user-friendly lasers that set the level or inclination in a continuous manner and thus constant controlling of the height is made easier and more efficient
- reduce the costs of materials: high precision of measurements cuts down on the amount of the consumed materials
- savings in the costs of work: all measurements may be conducted by just one person
- eliminate human errors arising from incorrect reading of the values during the traditional levelling and enable the identification of contractors errors during their works – therefore eliminate the need for costly corrections
- provide the possibility of making measurements in extreme conditions for any employee

### Why are correct measurements so important?

Measurements are the most significant activities on a construction site. At the beginning, it is vital to estimate the amount of the required material and the cost of the work. Afterwards, they enable an accurate performance.

# CL1R, CL1G, CL1B



1 x 360° laser planes,  
control of construction tasks  
in 1D (1 x H)

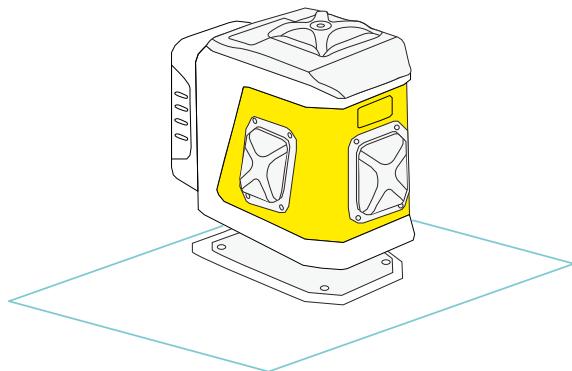
- pulse function allows you to work outdoors and at a longer distance with the laser sensor
- bright laser beams and high quality optics generate lines that have good visibility
- innovative magnetic vibration compensation system enables a quick preparation for the work
- intuitive operation - quick and easy control panel
- the rubber parts of the equipment's housing protect it from damage due to the impacts and shocks
- Bluetooth - remote management using mobile devices



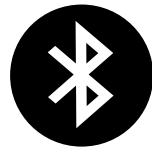
! **Compatible laser sensors:**  
CLS-5, RD800 Digital

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	CL1R	CL1G	CL1B
<b>Laser (visible)</b>	red	green	blue
<b>Accuracy</b>	±2,0 mm /10 m		
<b>Beam display</b>		1 horizontal (360°)	
<b>Operating range</b>	30 m (70 m with a sensor)		
<b>Self-levelling range</b>	±3,0°		
<b>Ingress Protection rating</b>	IP54		
<b>Power supply</b>	Li-ion 3,7 V (4000 mAh)		
<b>Operating temperature range</b>	-10°C~+50°C		
<b>Mount</b>	1/4", 5/8"		
<b>Dimensions</b>	130 x 90 x 133 mm		
<b>Weight of instrument</b>	0,86 kg		



# CL2R, CL2G, CL2B



2 x 360° laser planes,  
control of construction tasks  
in 2D (1 x V, 1 x H)

- pulse function allows you to work outdoors and at a longer distance with the laser sensor
- bright laser beams and high quality optics generate lines that have good visibility
- innovative magnetic vibration compensation system enables a quick preparation for the work
- intuitive operation - quick and easy control panel
- the rubber parts of the equipment's housing protect it from damage due to the impacts and shocks
- Bluetooth - remote management using mobile devices

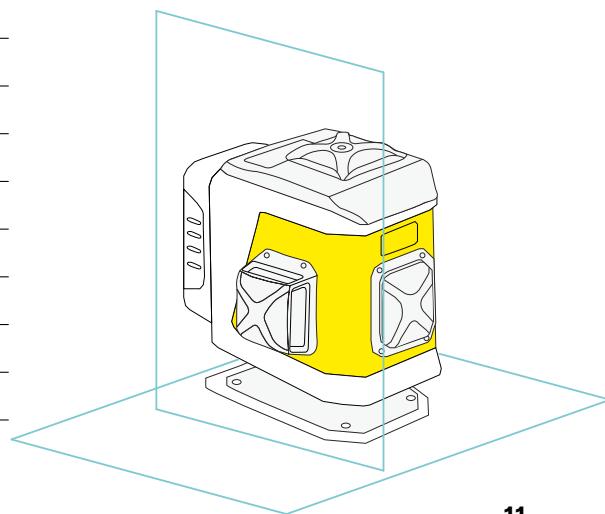


	CL2R	CL2G	CL2B
Laser (visible)	red	green	blue
<b>Accuracy</b>		±2,0 mm /10 m	
<b>Beam display</b>		1 vertical (360°), 1 horizontal (360°)	
<b>Operating range</b>		30 m (70 m with a sensor)	
<b>Self-levelling range</b>		±3,0°	
<b>Ingress Protection rating</b>		IP54	
<b>Power supply</b>		Li-ion 3,7 V (4000 mAh)	
<b>Operating temperature range</b>		-10°C~+50°C	
<b>Mount</b>		1/4", 5/8"	
<b>Dimensions</b>		130 x 90 x 133 mm	
<b>Weight of instrument</b>		0,86 kg	

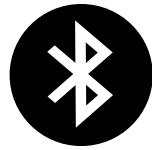


**Compatible laser sensors:**  
CLS-5, RD800 Digital

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# CL3R, CL3G, CL3B



3 x 360° laser planes,  
control of construction tasks  
in 3D (2 x V, 1 x H)

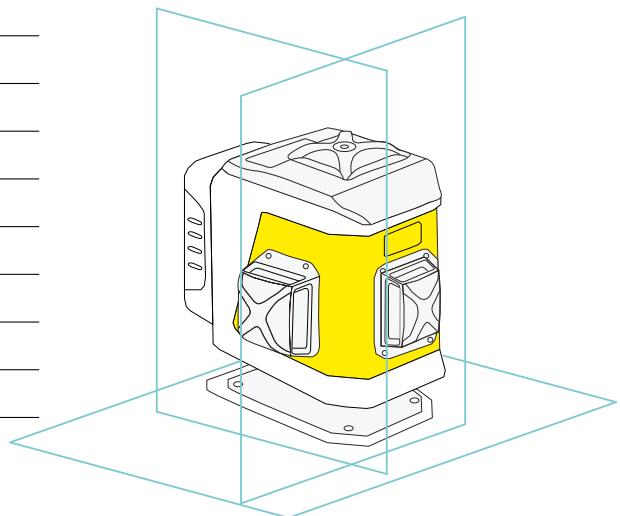
- pulse function allows you to work outdoors and at a longer distance with the laser sensor
- bright laser beams and high quality optics generate lines that have good visibility
- innovative magnetic vibration compensation system enables a quick preparation for the work
- intuitive operation - quick and easy control panel
- the rubber parts of the equipment's housing protect it from damage due to the impacts and shocks
- Bluetooth - remote management using mobile devices



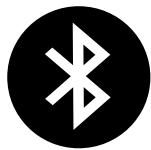
! **Compatible laser sensors:**  
**CLS-5, RD800 Digital**

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	CL3R	CL3G	CL3B
<b>Laser (visible)</b>	red	green	blue
<b>Accuracy</b>	±2,0 mm /10 m		
<b>Beam display</b>	2 vertical (360°), 1 horizontal (360°)		
<b>Operating range</b>	30 m (70 m with a sensor)		
<b>Self-levelling range</b>	±3,0°		
<b>Ingress Protection rating</b>	IP54		
<b>Power supply</b>	Li-ion 3,7 V (4000 mAh)		
<b>Operating temperature range</b>	-10°C~+50°C		
<b>Mount</b>	1/4", 5/8"		
<b>Dimensions</b>	148 x 90 x 133 mm		
<b>Weight of instrument</b>	0,89 kg		



# CL4R, CL4G, CL4B



4 x 360° laser planes,  
control of construction tasks  
in 4D (2 x V, 2 x H)

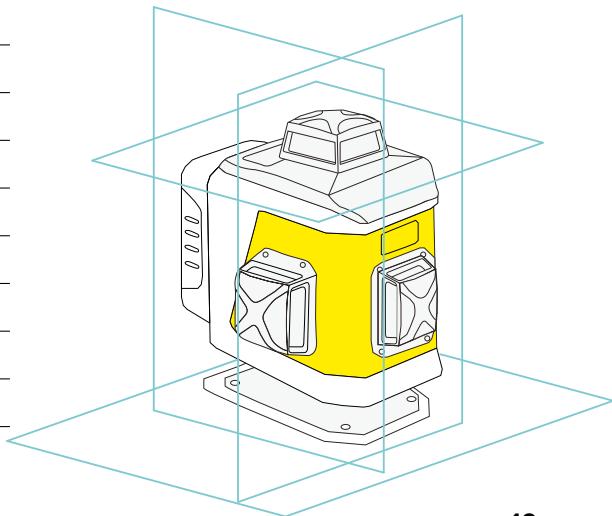
- pulse function allows you to work outdoors and at a longer distance with the laser sensor
- clear blue laser beams and high-quality optics generate lines that have good visibility
- innovative magnetic vibration compensation system enables the most stable field work
- intuitive operation - quick and easy control panel
- the rubber parts of the equipment's housing protect it from damage due to the impacts and shocks
- Bluetooth - remote management using mobile devices



! **Compatible laser sensors:**  
CLS-5, RD800 Digital

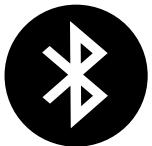
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	<b>CL4R</b>	<b>CL4G</b>	<b>CL4B</b>
<b>Laser (visible)</b>	red	green	blue
<b>Accuracy</b>		±2,0 mm /10 m	
<b>Beam display</b>		2 vertical (360°), 2 horizontal (360°)	
<b>Operating range</b>		30 m (70 m with a sensor)	
<b>Self-levelling range</b>		±3,0°	
<b>Ingress Protection rating</b>		IP54	
<b>Power supply</b>		Li-ion 3,7 V (4000 mAh)	
<b>Operating temperature range</b>		-10°C~+50°C	
<b>Mount</b>		1/4", 5/8"	
<b>Dimensions</b>		148 x 90 x 151 mm	
<b>Weight of instrument</b>		0,92 kg	



# CL5R, CL5G, CL5B, CL5V

4 x 360° laser planes, control of construction tasks in 4D (2 x V, 2 x H), manual slopes



- ability to tilt planes in two axes (X, Y)
- pulse function allows you to work outdoors and at a longer distance with the laser sensor
- clear laser beams and high-quality optics generate lines that have good visibility
- a modern electronic vibration compensation system enables the most stable field work
- intuitive operation - quick and easy control panel
- the rubber parts of the equipment's housing protect it from damage due to the impacts and shocks
- Bluetooth - remote management using mobile devices



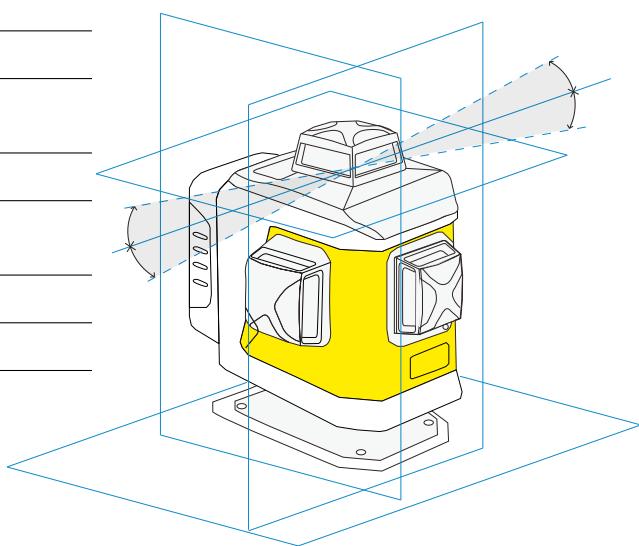
## CL5R    CL5G    CL5B    CL5V

Laser (visible)	red	green	blue	violet
Accuracy				±1,5 mm / 10 m
Beam display				2 vertical (360°), 2 horizontal (360°)
Operating range				30 m (70 m with a sensor)
Slopes				±4% (X, Y)
Self-levelling range				±4°
Ingress Protection rating				IP54
Power supply				Li-ion 3,7 V (8000 mAh)
Operating temperature range				-10°C~+50°C
Mount				1/4", 5/8"
Dimensions				165 x 100 x 158 mm
Weight of instrument				1,08 kg



Compatible laser sensors:  
CLS-5, RD800 Digital

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# PLV-1A, PLV-1B

High-accuracy plummets  
for any construction works

- 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)



**PLV-1A**

**PLV-1B**

<b>Laser beam</b>	red	
<b>Spot size</b>	$\geq 3$ mm/80 m	
<b>Zasięg lasera</b>	120 m - daylight (250 m - night)	
<b>Accuracy</b>	<b>Lower beam</b>	$\pm 1$ mm / 2 m
	<b>Upper beam</b>	$\pm 1$ mm / 45 m
<b>Magnification</b>	26x	
<b>Angle of view</b>	1°30'	
<b>Diameter</b>	36 mm	
<b>Shortest viewing distance</b>	0,4 m	
<b>Detachable tribrach</b>	yes	no
<b>Operating temperature range</b>	-10°C~+50°C	
<b>Power supply</b>	4,5 V (3 x AA)	
<b>Mount</b>	5/8"	
<b>Ingress Protection rating</b>	IP55	
<b>Dimensions</b>	120 x 290 mm	
<b>Weight of instrument</b>	2,8 kg	

# NL500R DIGITAL, NL500G DIGITAL

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

- horizontal works
- performance of works with visible beam
- high accuracy ( $\pm 1,0$  mm/10 m)
- range (diameter of operation): 500 m
- resistant to difficult working conditions (IP54)
- safe operation for years (maintenance and support services)



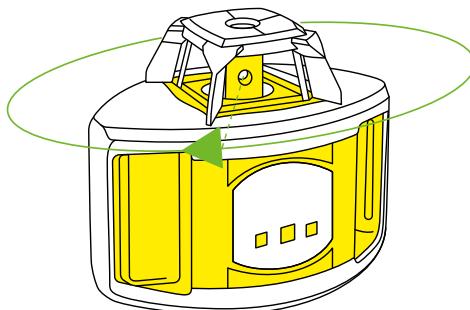
## NL500R DIGITAL   NL500G DIGITAL

Laser (visible)	red	green
Accuracy	$\pm 1,0$ mm / 10 m	
Operating range (diameter)	500 m (with sensor)	
Power supply	Li-ion 7,4 V (4000 mAh)	
Ingress Protection rating	IP54	
Operating temperature range	-20°C~+50°C	
Dimensions	206 x 206 x 211 mm	
Weight of instrument	3,0 kg	



**Includes laser sensor:**  
RD700 Digital

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# NL520R DIGITAL, NL520G DIGITAL

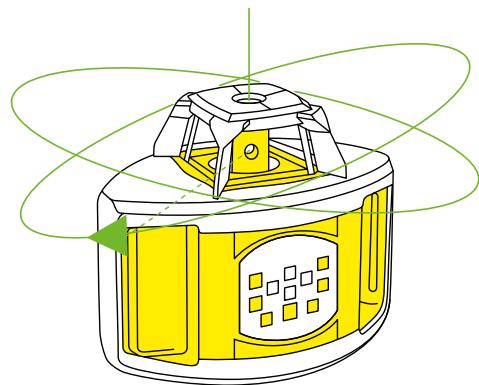
Universal and multi-purpose levels, versatile solution for many building and construction works, applications with a manual slope

- horizontal and vertical works
- works with manual slope in one or two directions
- performance of works with visible beam
- scan function
- high accuracy ( $\pm 1,0$  mm/10 m)
- long range (diameter of operation): 500 m
- resistant to difficult working conditions (IP54)
- safe operation for years  
(maintenance and support services)



NL520R DIGITAL	NL520G DIGITAL
<b>Laser (visible)</b>	red
<b>Accuracy</b>	$\pm 1,0$ mm / 10 m
<b>Operating range (diameter)</b>	500 m
<b>Slopes</b>	$\pm 10\%$ (X-axis, Y-axis) manually
<b>Head rotation speed</b>	variable, max. 600 rpm
<b>Power supply</b>	Li-ion 7,4 V (4000 mAh)
<b>Ingress Protection rating</b>	IP54
<b>Operating temperature range</b>	-20°C~+50°C
<b>Dimensions</b>	206 x 206 x 211 mm
<b>Weight of instrument</b>	3,0 kg

! Includes laser sensor:  
RD700 Digital  
→ See page 32



# NL540R DIGITAL, NL540G DIGITAL

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

- horizontal and vertical works
- works with digital slope in one or two directions
- performance of works with visible beam
- scan function
- high accuracy ( $\pm 1,0 \text{ mm/10 m}$ )
- long range (diameter of operation): 500 m
- resistant to difficult working conditions (IP54)
- safe operation for years (maintenance and support services)



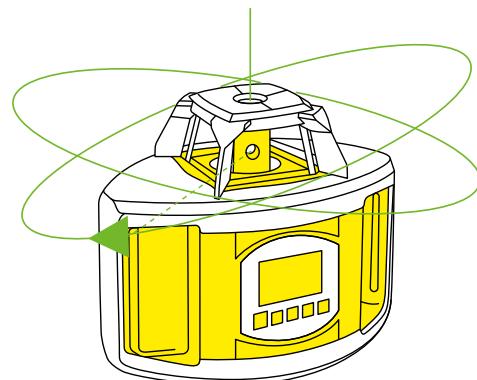
## NL540R DIGITAL      NL540G DIGITAL

Laser (visible)	red	green
Accuracy	$\pm 1,0 \text{ mm / 10 m}$	
Operating range (diameter)	500 m	
Slopes	$\pm 10\%$ (X-axis, Y-axis) digitally	
Head rotation speed	variable, max. 600 rpm	
Power supply	Li-ion 7,4 V (4000 mAh)	
Ingress Protection rating	IP54	
Operating temperature range	-20°C~+50°C	
Dimensions	206 x 206 x 211 mm	
Weight of instrument	3,0 kg	



**Includes laser sensor:**  
RD700 Digital

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# NL720R DIGITAL, NL720G DIGITAL

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

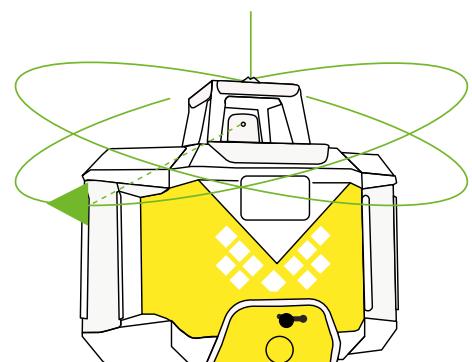
- horizontal and vertical works
- for performance of works in horizontal and vertical planes or works with a manual slope in one or two directions
- performance of works with visible - red beam (NL720R), green beam (NL720G)
- DIGITAL SENSOR – digital results for elevation differences
- high accuracy ( $\pm 0,72$  mm / 10 m)
- long range (diameter of operation): 700 m
- automatic alignment of the laser line to the sensor
- remote control (radio)
- resistant to difficult working conditions (IP56)
- safe operation for years (maintenance and support services)



NL720R DIGITAL	NL720G DIGITAL
<b>Laser (visible)</b>	red
<b>Accuracy</b>	$\pm 0,72$ mm / 10 m
<b>Operating range (diameter)</b>	700 m
<b>Slopes</b>	$\pm 10\%$ (X-axis, Y-axis) manually
<b>Head rotation speed</b>	variable, max. 800 rpm
<b>Power supply</b>	Li-ion 7,4 V (4000 mAh)
<b>Ingress Protection rating</b>	IP65
<b>Operating temperature range</b>	-20°C~+50°C
<b>Dimensions</b>	274 x 173 x 232 mm
<b>Weight of instrument</b>	2,83 kg

! **Compatible laser sensors:**  
RD500 Digital

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# NL740R DIGITAL, NL740G DIGITAL

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

- horizontal and vertical works
- for performance of works in horizontal and vertical planes or works with a digital slope in one or two directions
- performance of works with visible - red beam (NL740R), green beam (NL740G)
- DIGITAL SENSOR – digital results for height differences
- high accuracy ( $\pm 0,72$  mm / 10 m)
- long range (diameter of operation): 700 m
- automatic alignment of the laser line to the sensor
- remote control (radio)
- resistant to difficult working conditions (IP56)
- safe operation for years (maintenance and support services)

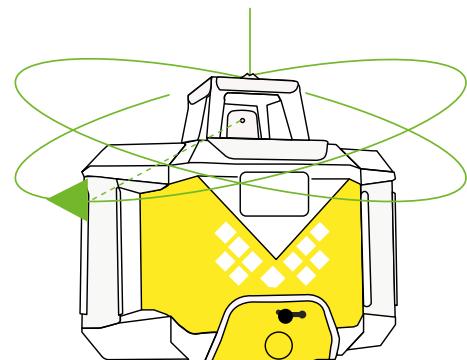


	NL740R	NL740G
<b>Laser (visible)</b>	red	green
<b>Accuracy</b>	$\pm 0,72$ mm / 10 m	
<b>Operating range (diameter)</b>	700 m	
<b>Slopes</b>	$\pm 10\%$ (X-axis, Y-axis) digitally	
<b>Head rotation speed</b>	variable, max. 800 rpm	
<b>Power supply</b>	Li-ion 7,4 V (4000 mAh)	
<b>Ingress Protection rating</b>	IP65	
<b>Operating temperature range</b>	-20°C~+50°C	
<b>Dimensions</b>	274 x 173 x 232 mm	
<b>Weight of instrument</b>	2,85 kg	



**Compatible laser sensors:**  
RD500 Digital

→ See page 32



# PL200R

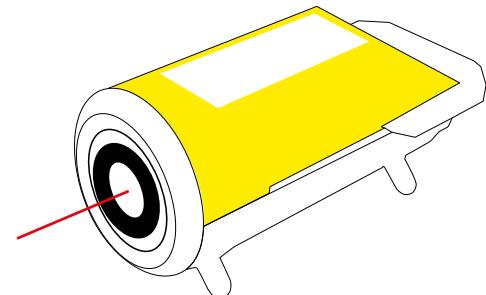
The reliable pipe lasers for precise pipe alignment and levelling

- linear applications, e.g. precise pipe levelling
- auto-targeting
- digital slopes
- visible laser beam - red (PL200R)
- high accuracy of  $\pm 2,4 \text{ mm}/50 \text{ m (10")}$
- variety of applications with working range of 200 m
- durable in heavy duty conditions (IPX7)
- rugged metal housing
- long-time safety
- unfailing Swedish made production



## PL200R

<b>Laser (visible)</b>	red
<b>Laser power / class</b>	5 mW / Class 3R
<b>Accuracy</b>	$\pm 2,4 \text{ mm} / 50 \text{ m (10")}$
<b>Working range</b>	200 m
<b>Auto-alignment</b>	yes
<b>Slope range</b>	-10% ~ +30%
<b>Power supply</b>	Li-ion
<b>Working time</b>	50 h
<b>Ingress Protection rating</b>	IPX7 (Nitrogen purged)
<b>Operating temperature range</b>	-20°C ~ +50°C
<b>Dimensions</b>	320 x 137 mm (diameter)
<b>Weight of instrument</b>	4,00 kg



# Laser accessories



# MC-1D

Leveling system allows controlling the elevation of the machine's working element from the operator's cabin

- versatile solution for many types of machinery (dozers, excavators, wheel-loaders)
- faster work, higher productivity - the machine can do more at the same time
- increased work accuracy
- savings on material resulting from the more accurate surface leveling
- the easiest solution to control the operation of machinery – user friendly operation



	EXCAVATOR SYSTEMS	DOZER SYSTEM
MC-1D	MC-1D	MC-1D
LIGHT	MAGNETS	CLAMPS
<b>Operating modes accuracy</b>	accurate ( $\pm 10\text{mm}$ ), coarse ( $\pm 20\text{mm}$ )	
<b>Receiving range</b>	250 mm, 360°	
<b>Type of received beam</b>	laser (red)	
<b>Fixing system</b>	magnet mounts	clamps
<b>Cabin display</b>	no	yes
<b>Power supply</b>	7,2V Ni-MH (2500mAh)	
<b>Working time</b>	40 hours	
<b>Charging time</b>	15 hours	
<b>Operating temperatures</b>	-20°C~+50°C	
<b>Ingress Protection rating</b>	IP 54	
<b>Dimensions</b>	280 x 280 x 130 mm	
<b>Weight</b>	5,5 kg	



# HDM Series



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

- addition, subtraction, surface area, volume, minimum and maximum value
- Painter's function enabling calculation the area of selected walls
- measurements from the rangefinder front, base and room corner (except HDM-Little Friend)
- automatic laser / device shutdown
- continuous measurement, calibration function, time lag measurement
- Pythagoras function allows you to implement indirect height or width measurement
- camera in the HDM-120BC model



HDM	HDM-Little Friend	Model HDM-5G	Model HDM-50G	Model HDM-120BC
Little Friend				

Laser	red	green			red		
<b>Range</b>	60 m	50 m	70 m	90 m	50 m	70 m	120 m
<b>Accuracy</b>				±2 mm			
<b>Camera function</b>				no			yes
<b>Angle of tilt</b>			no			±90°	
<b>Level bubble</b>	no		yes			yes, electronic	
<b>Record storage</b>				100			
<b>USB connector</b>	yes		no			yes	
<b>Bluetooth</b>			no			yes	
<b>Operating temperature range</b>				0~+40°C			
<b>Ingress Protection rating</b>	-			IP54			
<b>Power supply</b>	Li-on 850 mAh	2 x 1.5 V (AAA)			Ni-MH, 3 x 1.2 V 800 mAh		
<b>Dimensions</b>	100 x 33 x 18 mm	118 x 54 x 28 mm			125 x 54 x 27 mm	130 x 56 x 29 mm	
<b>Weight</b>	68 g			132 g			

# DL60, DL60L

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

→ precise and fast-to-use electronic levels with digital readout of position on LCD display unit

→ can be also operated in the inverted position (upside down)

→ the values can be "frozen" on the display (a beep indicates the level)

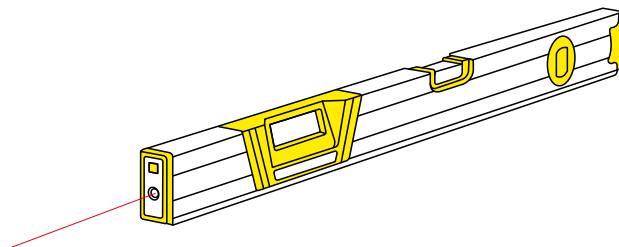
→ DL60L model equipped with a laser beam



**DL60**

**DL60L**

<b>Accuracy</b>	$\pm 0,1^\circ$
<b>Length</b>	600 mm
<b>Laser beam</b>	no      yes
<b>Modes of operation</b>	degrees/percent
<b>Dimensions</b>	600 x 51 x 25 mm
<b>Weight</b>	0,47 kg



# ST-10, ST-20

Quick to use, resistant and accurate

- designed for any construction and surveying works
- coated, resistant to abrasion and rust
- measurements with class II accuracy
- durable, rugged, convenient-to-use construction



# ST-30A / -30B ST-50A / -50B

- designed for any construction and surveying works
- coated, resistant to abrasion and rust
- measurements with class II accuracy
- durable, rugged, convenient-to-use construction
- available with tape leader of 10 cm (ST-30A, ST-50A)



## ST-10                    ST-20                    ST-30A / -30B            ST-50A / -50B

<b>Length</b>	10 m	20 m	30 m	50 m
<b>Width</b>			0,013 m	

# M10, M100, M100 Digital

Durable, quick in use,  
indispensable for roadworks

- stable kickstand (excluding M10 model)
- rugged structure made of aluminium and plastic
- convenient-to-use brake
- folded aluminium rod with a handle design that fits precisely any hand
- accurate and legible counter placed above the wheel / large and clear digits /M100 Digital - on the LCD
- easy resetting 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 transport)



M10 model

M100 model



M100 Digital model



# SJJ1, SJJ1D, SJJ4, SWW8

Tripod is the one of the most popular from the measuring accessories, required to carry out 90% of measuring tasks

SJJ1 model

SJJ4 model

SWW8 model



	<b>SJJ1</b>	<b>SJJ1D</b>	<b>SJJ4</b>	<b>SWW8</b>
<b>Material</b>	aluminium	aluminium	aluminium	wood
<b>Min./Max. height</b>	0,97 / 1,6 m	0,97 / 1,6 m	1,1 / 1,88 m	1,16 / 1,79 m
<b>Type of lock</b>	clamps	clamps	screws / clamps	clamps
<b>Type of head</b>	flat	spherical	flat	flat
<b>Weight</b>	3,0 kg	3,0 kg	5,6 kg	8,2 kg

# SJJ-M1, SJJ32, SJJ40

Choosing the right tripod model for the type of the planned task is a half of the success

SJJ-M1 Ex model

SJJ32 model

SJJ40 model



## SJJ-M1 Ex

## SJJ32

## SJJ40

<b>Material</b>	aluminium	aluminium	aluminium
<b>Min./Max. height</b>	0,62 / 1,82 m	1,30 / 3,2 m	1,79 / 3,5 m
<b>Type of lock</b>	clamps	clamps	screws / clamps
<b>Type of head</b>	1/4" screw (+5/8")	flat	flat
<b>Weight</b>	1,6 kg	7,2 kg	8,8 kg

# LP-36, LP-36 EX

Rugged and resistant extension poles designed  
for all types of lasers

- solid, aluminum construction
- stable laser assembly in all conditions
- extension pole 3,6 m
- 5 sections simplify height adjustment in  
any room
- metric scale - easy adjustment to the project
- requirements during measurements
- quick release handle for placing laser on the  
pole
- easy to transport - folded into a bag
- additional tripod (model LP-36 Ex)



LP-36 model

LP-36 Ex model

## LS-24, LS-35

High product quality, durability  
and trouble-free operation

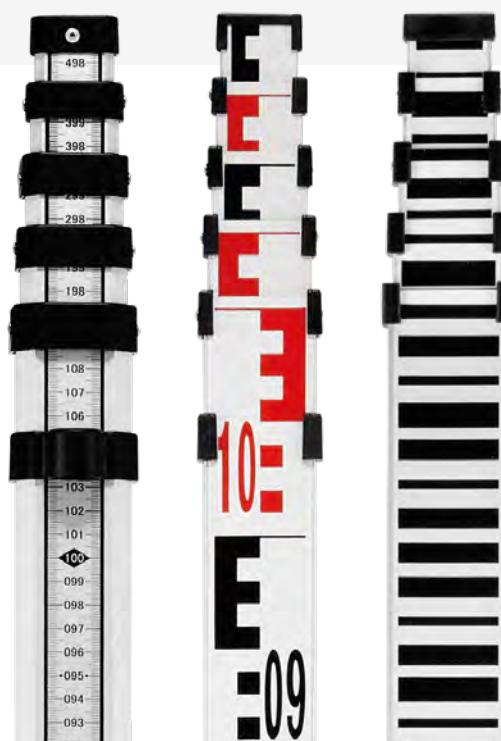
- 2,4 m (LS-24) or 3,5 m (LS-35)
- practical laser sensor holder
- staffs with bull's eye level and metal clamp
- precise graduation (millimetres)
- sold with protective cover



## TS-5, TS-50, TS-70

Handy, durable, precise

- 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's eye level
- TS-5 – telescopic staff with barcode for the EL-32 electronic level



TS-50/70

TS-5

# RD700 DIGITAL, RD500 DIGITAL

RD sensors are designed for rotating laser levels

- RD700 DIGITAL – digital sensor with numeric elevation
- RD500 DIGITAL - digital sensor with auto-adjustment for rotating lasers NL720/740 series enabling the indication of elevation differences in a numerical way



RD700 Digital model



RD500 Digital model

# CLS-1, CLS-5, RD800 DIGITAL

CLS sensors are designed for crossline lasers

- high work accuracy
- for lasers with optional pulse mode
- CLS-1 for use with lasers of older generation
- CLS-5 designed for laser crossliners CL1 / 2 / 3 / 4 / 4D / 5 series
- RD800 DIGITAL - digital sensor for rotating levels and crossliners to indicate differences in elevation in a numerical way



CLS-1 model



CLS-5 model



RD800 Digital model



## 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



## Laser glasses **GL-R, GL-G**

- perfect for work with construction laser
- GL-R - for red beam lasers, GL-G - for green beam lasers



## Shelf for laser levels **YR**

- used to hang a level on the wall at a set height
- accurate height setting, robust structure



## Laser sensor bracket **NL-BR, NL-BR600**

- holder dedicated to laser sensors
- NL-BR for RD100, RD200 and NL-BR600 for RD700, RD800



## Laser targets **TR-R, TR-G**

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

## Chargers for lasers

- series of chargers for Nivel System lasers

## Adapters

- series of adapters and tripod adapters for laser crossliners
- available versions: 1/4" – 5/8", 5/8" – 5/8", 5/8" – 1/4"



# Only here! Advanced 3D collimator – Octopus Prime

Caring for the highest quality of the offered equipment, we are constantly developing our knowledge, expanding our storage facilities and most importantly, we invest in the diagnostic equipment park.

We currently have the most specialized equipment that meets the high standards that the largest manufacturers of measuring equipment have in the world.

The set of 38 cameras of the Octopus Prime collimator guarantees accurate checking and calibration of the instruments. Thanks to this, we gain 100% certainty that the measuring equipment works correctly and the assumed accuracy in a practical way will translate into the effects of the work performed.

# Authorised Service

We enrich service studios with modern tools and workshop equipment to provide comprehensive and professional service at a global level.



## Warranty repairs

We provide warranty and post-warranty repairs for our measuring instruments and we continuously try to improve our technical facilities.



## One-day inspections

We recommend one-day inspections for your convenience and your time. Given our potential, we are able to perform any required service and maintenance tasks during a working day.



## Free-of charge calibration

We also offer the verification and calibration service which can be performed by yourself with the use of collimators located at our regional points of sales.

### Warranty and post-warranty repairs:

→ e-mail: [service@nivelsystem.com](mailto:service@nivelsystem.com)

→ tel. **+48 22 632 91 40**

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