



Precise long-range laser levels - digital slopes

NL640R / NL640G

Efficient levelling

numerical height difference determination (DIGITAL)

Precise measurements over long distances

millimeter accuracy, range 600 m

Versatile applications

vertical and horizontal work, including on digital slopes
in 2 axes, compatible with machine control systems

Intuitive operation

clear menu, remote control

Efficient power supply

8000 mAh Nivel Li-ion battery

Proven, durable equipment

rubber-reinforced metal housing



Measurement solutions
for construction

NIVEL
SYSTEM

Rotating laser levels

Precise, long-range rotating lasers

We present the precise and durable Nivel System NL640R and NL640G rotating lasers. These devices offer the ability to work with horizontal planes (including digital slopes), vertical planes and are available with either a red or green laser beam. The lasers are easy to use, with functions controlled via the MENU panel or remotely. Leveling is performed with a high accuracy of 0.72 mm/10 m, over distances up to 600 m (working diameter). The new Nivel System RD600 DIGITAL digital receiver with a wide detection range of up to 127 mm ensures comfortable operation. The lasers are powered by the most powerful 8000 mAh Lithium-ion battery currently available, ensuring long operating times on a single charge. The sealed and durable housing – IP65 rated – completes the package. Additionally, the laser head is protected by a metal body, effectively safeguarding the instrument's most important element. These lasers are designed for all types of large-scale work, such as road construction, paving, machine control systems, water, sewage installations and agriculture. They will be appreciated by users who value speed, reliability, and ease of use – all of which are hallmarks of Nivel System lasers.

	NL640R	NL640G
Laser beam	red 635 nm	green 515 nm
Accuracy	±0,72 mm / 10 m	
Self-levelling range	±5° (quick levelling – electronic sensor)	
Inclination of planes	±10% (digitally)	
Head rotation speed	variable 100, 300, 600, 800 rpm	
Scanning	0-10°-45°-90°-180°	
Range of operation	600 m (with receiver)	
Operating temperature range	-10°C ~ +50°C	
Power supply	3,7 V / 8000 mAh	
Ingress Protection	IP65	
Dimensions	274 x 173 x 232 mm	
Weight	2,83 kg	

Equipment

Rotating laser level	Laser receiver (digital)
Remote control	Laser target
Rechargeable battery	USB-C charger with cable
Carrying case	

Quick and easy measurements

After turning on the LASER it will level itself and get ready to work immediately. The generated laser beam is visible, displayed on the wall forms a reference for horizontal or vertical works. While working with a sensor and a laser staff, we obtain an accurate leveling set, measurements are performed one-man.

Versatile application

The instrument allows work with both horizontal and vertical beams. The plane can be tilted in one or two directions, so the laser can be used for jobs such as floor pouring or levelling and preparing surfaces for paving, sports fields or roads - ensuring the water drainage according to the designed slopes.

Indispensable on construction sites

The level is supplied with an electronic compensator to eliminate vibrations and ensure precise levelling of the laser plane. The equipment is resistant to dust and water (IP65). In addition, the laser head is guarded by a metal shield and the laser housing is fitted with rubber corners to cushion and protect it from damage.

