



Horizontal Laser



Horizontal Laser with
XY Inclination Mode



Horizontal-Vertical Laser with
XY Inclination Mode

Professional Lasers For Surface, Underground and Interior Building

Rotating Lasers QL 320 H / QL 320 HS / QL 320 HV



Rotating Laser QL 320 H

Horizontal height control



With its series **QL 320** QBL continues its 25 years certified concept of fully automatic lasers.

The **basic model QL 320 H** for easy alignment of all horizontal planes.

Suitable for:

- Surveying works on road and underground construction
- Grading and concreting
- Bench marking
- Any leveling, assembly and alignment jobs



Specifications:

Rotating Laser QL320H/HS/HV:

- Accuracy:** $\pm 15''$ ($\pm 7,5$ mm at 100 m)
- Leveling range:** ± 12 %
- Distance range:** min. 250m with QL314
- Rotation speed:** 600 rotations per minute
- Laser performance:** QL 320 H/HS: 650nm /1mW
QL 320 HV: 635nm /1mW
- Laser class:** 2 (IEC60825-2001.11)
- Power supply:** NiCd or Alkaline batteries
- Operating time:** with Alkaline batteries: typical 60 h
with NiCd: typical 20 h
- Recharging time:** max. 6 h
- Water protection:** IP65 (water- and dustproof)
- Dimensions:** 158 x 172 x 158 mm / 2 kg

Detectors QL 314/R50

- Distance range:** min. 250 m/150 m
- Accuracy:** QL 314: fine/normal/wide;
 $\pm 1, 2, 3$ mm
R50: fine/wide;
 $\pm 0,5, 1$ mm
- Battery:** NiCd 1,2 Ah/9 V Block
- Recharging time:** 1,5 h/-
- Typ. operating time:** 36 h/50 h
- Dimensions:** 140 x 85 x 26 mm/
140 x 60 x 27 mm
- Weight:** 200 g/180 g



Fully automatic self-leveling

Fully automatic leveling by servomotor drives. Pre-adjustment with foot screws not necessary. You save time: **Setup – Switch on – Measure**

Tilt control

- Automatic activation within a few seconds after switch on
- gives security against each unintentional change of position
- If not required, can be deactivated on the push of a button

Sturdy and waterproof

Reliable in every respect under the most extreme construction site conditions – its fiber glass strengthened casing with protected glass housing makes the instrument dustproof and waterproof.

Battery or rechargeable Edition

Do you prefer the battery driven or the rechargeable edition? You have the choice!

Because of its quick charging technology the rechargeable edition supplies you within the shortest recharge time with no memory effect.



Highest operation range

Its operation range of up to 500 m with the Detector **QL 314** can not be surpassed. Depending on the measuring requirements, operation range and accuracy you have the choice to equip your instrument with the appropriate Detector!



Rotating Laser QL 320 HS

**Horizontal height control,
Manual Inclination in X and Y direction**



The **Diode Laser QL 320 HS** is perfect for all horizontal surfaces, which in addition can be inclined in x and y axis.

Suitable for:

- Grading and Paving
- Road and Slope marking, playing field construction
- Piping, channeling
- Draining / roof tilts

Inclination in x and y axis

After any manual pre-inclination and via the pre-selected x and y axis the laser plane can be inclined by up to $\pm 12\%$ by the keypad.



Detector R50

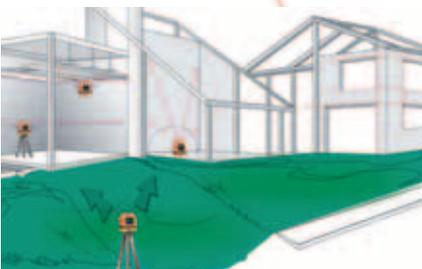
**Precise, sturdy,
high operation range –
our top model QL 314**



Detector QL 314

Rotating Laser QL 320 HV

**Horizontal height control, vertical laser plane with plumb beam
Manual Inclination in X and Y direction**



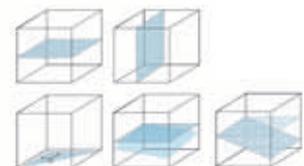
Flexible

In addition to the features of the QL 320 HS the **QL 320 HV** can do even more: it can be used in vertical operation mode and is equipped with a permanently available 90° beam for easy alignment and line setting.

The adjustment of the vertical plane is, of course, fully automatically!

Suitable for:

- Measuring surfaces in underground construction
- Planning
- Concreting and horizontal and vertical installation of concrete forms
- Set-up of right angles
- Alignment of vertical axes



Please ask our sales department for the order numbers and further information on our professional Lasers.

Tripods and Measuring Rods

Compatible with any Laser

COMBO – everything fully under your control!

An absolute dream for anybody who must carry equipment from their vehicle to the building site and back again:

- Tripod with removable telescopic rod (4 m) in ONE
- Well stored and protected in a comfortable transport bag with shoulder strap

Order-No.: 91200-610 00 with dome head
91200-611 00 with flat head

Technical data:

Tripod:

Material: Aluminium
Length: 1-1,65 m

Telescopic measuring rod:

Material: Aluminium
Length: 4 m
With 6 sections, millimeter scale on the rear side, centimeter scale on the front
Height: min. 78 cm up to max. 400 cm



Combo



Elevating Tripod

EQ270C

EQ9400

Aluminium Standard Tripod EQ9400

- With triangular flat head
- Extendable
- Shoulder strap
- Quick-clamping
- Height: min. 100 cm up to max 165 cm

Order-No.: 91200-605 00

Aluminium Elevating Tripod EQ270C

- for indoor and outdoor use
- Shoulder strap
- Height: min. 115 cm up to 270 cm

Order-No.: 91200-601 00

Elevating Tripod

- Aluminium with crank handle and 5/8" thread
- With struts for higher stability

Order-No.: 92200-503 00

0,45 – 1,51 m / 6 kg

Order-No.: 92200-504 00

0,63 – 3,65 m / 8,5 kg

Measuring Rods

- Extendable
- Aluminium
- Very sturdy
- cm-scale on the front side
- mm-scale on the rear side

Order-No.: 91162-001 00 Length: 4 m

Order-No.: 91162-002 00 Length: 5 m

Measuring Rod Flexi + Adapter

- Length: 1,31 – 2,41 m

Order-No.: 92162-018 00



Build on it ...

... with more than 25 years experience in the laser sector and of quality controlled development, construction, sales and after-sales-service.

QBL

Quante®

Quante Baulaser GmbH
A Gamfi group company

Quante Baulaser GmbH

Liegnitzer Str. 1-3

D-42489 Wülfrath

Tel: +49 (0) 20 58-78 81-0

Fax: +49 (0) 20 58-78 81-52

Mail: info@quante-baulaser.de

http://www.quante-baulaser.de