

Standard equipment QL 150 HC:

Pipe Laser QL 150 HC
Charger
Battery cable
6"-10" target
7 channel remote control
2 base extensions 8"
2 base extensions 10"
Operation instructions in
German, English, French, Italian
Rugged transport case

Universal target height adjustable



92383-521 00

Following basis extensions are available for the installation of the Pipe Lasers in pipes with different diameters:

92147-53000 Standard basis extension for pipes from $\varnothing 200$ mm
92147-52000 Standard basis extension for pipes from $\varnothing 350$ mm
92096-54200 Universal basis extension (infinitely variable)
for pipes more than $\varnothing 350$ mm
92147-53400 Standard basis extension for installation upon the pipe



92147-52000



92096-54200

Technical data: QL 150 HC

Laser diode: Wave length $\lambda = 635$ nm (visible)
Operating range: QL 150 HC > 300 m
The operating range is dependent on the ambient light
Levelling range: -15 %/+35 %
Adjustment range: Direction $\pm 4'$ (± 7 %)
Slope -10 %/+30 %
Adjustment accuracy 0,002 % (2 mm/100 m)
QL 150 HC > 25 h
Operating time: QL 150 HC > 25 h
Battery: NiCd, microprocessor controlled quick charging within
approx. 4 h without memory effect, overcharge protection
Accuracy: $\pm 10''$ (± 5 mm/100 m)
Temperature range: -20 °C - +50 °C
Weight: 4,2 kg
Dimensions: L/W/H 315 x 120 x 130 mm
Waterproof: IP67 (water- and dustproof)

Technical data: IR-Remote control

Operating range: ≥ 100 m
Battery: 9V / 500mA, Alkaline
Operating range: approx. 16 h in continuous operation
Waterproof: IP67 (water- and dustproof)



LASER RADIATION
DO NOT STARE INTO BEAM OR
VIEW DIRECTLY WITH OPTICAL
INSTRUMENTS
CLASS 2M LASER PRODUCT
ACCORDING TO DIN EN 60825-
1:2001-11

LASERSTRAHLUNG
NICHT IN DEN STRAHL BÜCKEN
AUCH NICHT MIT
OPTISCHEN INSTRUMENTEN
LASER KLASSE 3A NACH IEC 825

Laserclass: QL 150 HC

QBL

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QBL

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QL 150 HC

Made by QBL Baulaser Germany



Your strong partner for pipe laying

Remote Control with new functions

NEW FUNCTIONS:

- comfortable input of inclination values
- quick zero position within seconds on simple pressure of 2 keys
- even faster readiness for work
- **warning in case of tilt of cross axis**

Permanent beam: everything o.k.
Interrupted beam: Attention!
Warning mode!

ALIGNMENT MODE BY USE OF REMOTE CONTROL

1. Align laser beam on alignment rod
2. Adjust inclination
3. Ready!

OPTIONALLY AVAILABLE WITH NEW REMOTE CONTROL

- relative measurement of the inclination
- alignment function
- standby mode for rest periods
- quick reset of direction
- protection against incorrect operation by intelligent keypad



STANDBY MODE

The standby mode can only be activated with the 7 channel remote control. That mode ensures that all values remain stored. An operation is only possible again after unlock on behalf of the remote control.

Distance range of the remote control up to 100m

RELATIVE MEASUREMENT OF INCLINATION

Using the remote control, the setting of inclinations and slopes of existing pipes is absolutely easy, and can simply be read afterwards on the display of the instrument. Remote Control with new functions



yesterday



today



9 The Pipe Laser QL 150 HC can cope with any kind of application. By using the easy, cost-efficient and sturdy accessories these lasers can be utilised on all kinds of sites. **QBL Baulaser Pipe Lasers always do the job.**

QBL Pipe Laser QL 150 HC

Compact, rugged and high performing.

The perfect solution for underground work.

1 Underground work is a hard job requiring rugged and reliable tools. There is no place for plastic which is why we have decided on a sturdy, water and dustproof aluminium housing. This enclosed housing offers you reliable protection against shock, dirt and water. There are no apertures for removable battery packs and no accessible contacts which could oxidize.

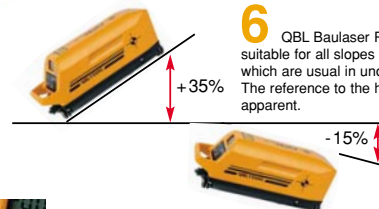
We leave unnecessary things to others. We concentrate on what's essential for you.



2 The optics have been specially developed to meet the requirements of underground work regarding shape and visibility of the laser spot and ensure excellent visibility even for long distances. The high durability of the red diode and excellent stability of the adjustment are achieved by a large-scale mechanical and electronical processing.

Did you know that a red laser spot in sunlight has the best visibility?

6 QBL Baulaser Pipe Lasers are suitable for all slopes and inclinations which are usual in underground work. The reference to the horizon is always apparent.



7 The hand grip integrated into the upper housing is not only designed for the comfortable carrying of the instrument but additionally protects the display and the switch panel. The grip troughs, which are integrated on both sides within the upper housing, further ensure safe transport of the QBL Baulaser Pipe Laser.

The result: a perfect carrying solution.

8 The Pipe Laser's biggest enemies are moisture and water. Because of this QBL Baulaser decided to utilise an integrated battery. By using a microprocessor controlled charging technique, these lasers offer reliability and ease of operation. The flat battery is recharged completely within 4 hours and supplies energy for more than 30 hours. The well-known memory effect of normal charging systems is avoided because the battery is always 95% discharged before the full charge is given.

In our opinion you should not waste your time with battery problems.

10 The handy infrared remote control for direction setting has a distance range of up to 100 m through the sewer pipe. The remote control ensures that direction setting can be done by just one person. In underground work conditions this is the safest and quickest method of use.

The QBL-Remote control makes you independent.

