

# Leica Roteo

## Versatile rotating lasers



**SITE PROOF**  
by Leica Geosystems

- when it has to be **right**

**Leica**  
Geosystems

# All-round perfection



**Strong performance on all levels**

Leica Roteo rotating lasers are truly multi-talented performers. Whether on ceilings or walls, on the floor or on a tripod – they allow you to work precisely on many indoor and outdoor tasks in which levelling or aligning is required.



- Self-levelling
- Simple and intuitive to operate
- Available in the right package for every application
- Now with a green laser version for excellent visibility

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# Leica Roteo

## Highest quality in an all-round solution



product  
design  
award

2009

The excellent visibility and high accuracy of the rotating laser dot are important quality features for our customers. Along with Power Range Technology™, they make the Leica Roteo family stand out from the rest.

### 90° plumb beam

For alignment over a control point and creating 90° angles

### Simple to operate

Easily comprehensible symbols and logical key assignments on the laser, remote control and detector

### Fully automatic laser

No complicated setting-up required. The Leica Roteo can automatically self-level to compensate for tilts of up to  $\pm 4.5^\circ$

### Brushless motor

A wear-free direct drive moves the laser head. Can be directed manually at the target object



### **Alarm function**

If subjected to strong vibrations, the rotating laser automatically switches off. An LED display indicates this error has occurred

### **Dust and splash-water protection IP54**

Site-proof – all these instruments are highly robust and have IP54 protection

### **Outstanding battery life**

Continuous operation for up to 160 hours using alkaline batteries

### **Drop damage protection**

A strong aluminium cage protects the laser head from damage

### **Motorised wall mount**

For millimetre-accurate setting of the working height

## **Combined remote control/detector**

For easy remote working: Conveniently control all functions from a distance of up to 30 metres (100 ft). The detector has selectable frequencies, which permits several Roteo Lasers to be used on the same site.



- The red LED indicator shows that radio signals are being transmitted
- Adjustable volume acoustic signal
- Two displays allows you to work from either side
- Impact-protected with sure-grip fluting under handle and IP54
- Operates using ordinary 9V batteries

# Leica Roteo 20HV

## The basic model

The Leica Roteo 20HV is the ideal rotating laser for basic users. Its easy-to-understand keypad is intuitive to operate.

The package includes a complete set of accessories for interior works with remote control, wall mount bracket and target plate.



# Leica Roteo 25H

## Horizontal laser

The Leica Roteo 25H offers fully automatic horizontal self-levelling and even the possibility of inclining the levelling plane on the instrument.

The detector supplied in the set efficiently locates the laser beam over long distances: An appealing package for exterior works.

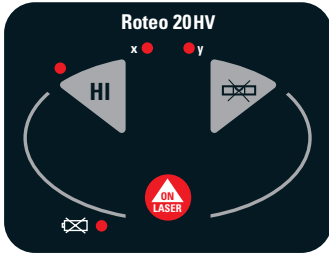


# Leica Roteo 35

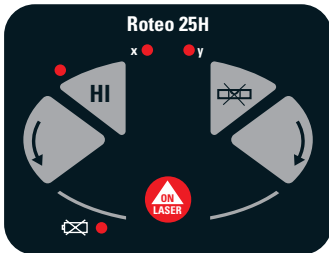
## The all-in-one rotating laser

The Leica Roteo 35 impresses everyone with its powerful features and complete set of accessories for every application, especially for interior works. The wall mount bracket allows convenient motorised control of the laser beam height by the combined remote control/detector or by manual adjustment.

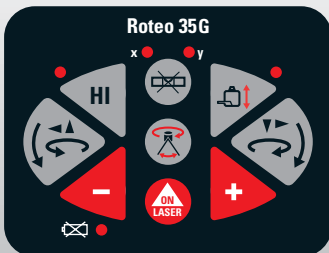




- Fully automatic horizontal and vertical laser
- Wall mount bracket manually adjustable in height
- Easy access to the laser head for quick alignment of the laser beam
- Scan mode improves visibility for certain types of work



- Fully automatic horizontal laser
- Inclination can be set
- Drop damage protection: A strong aluminium cage protects the laser head from damage
- 150 m (500 ft) range laser detector



- Fully automatic horizontal and vertical laser
- Motorised wall mount: For millimetre-accurate setting of the working height
- Drop damage protection: A strong aluminium cage protects the laser head from damage
- Scan mode improves visibility for certain types of work

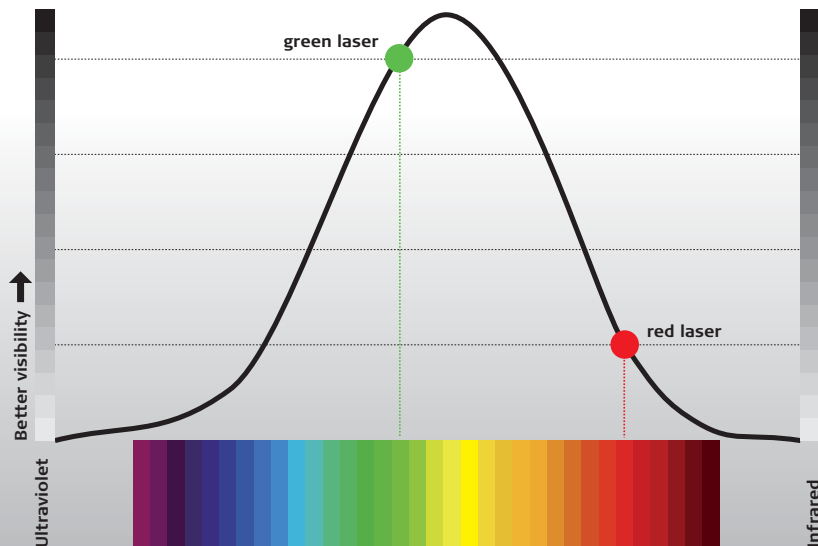
# Leica Roteo 35G

The all-in-one rotating laser with a **green beam**

The Leica Roteo 35G has all the characteristics of the Leica Roteo 35. In addition, it has a green laser beam for better visibility in very bright conditions and over very long distances. The pioneering green laser beam is four times more visible to the human eye. So you have the best possible visibility.



 **Best visibility**  
Green Laser







# Four all-round packages

## Leica Roteo 20HV

Art. No. 772789

**Delivery package:**

- Leica Roteo 20HV rotating laser
- Manual wall mount bracket
- RC350 remote control
- Battery (AA) for the remote control
- Battery holder for alkaline batteries
- Red target plate
- Red laser glasses
- Batteries for laser



## Leica Roteo 25H

Art. No. 772788

**Delivery package:**

- Leica Roteo 25H rotating laser
- R250 detector with clamp
- 9V battery for the detector
- Battery holder for alkaline batteries
- Rechargeable batteries
- International charger
- Red target plate



# Leica Roteo 35

**Art. No. 765752**

**Delivery package:**

- Leica Roteo 35WMM rotating laser
- Motorised wall mount
- RRC350 combined remote control/detector unit with clamp
- 9V-battery for the combined unit
- Battery holder for alkaline batteries
- Rechargeable batteries
- International charger
- Red target plate
- Red laser glasses



# Leica Roteo 35G

**Art. No. 772787**

**Delivery package:**

- Leica Roteo 35G rotating laser
- Motorised wall mount
- RRC350G combined remote control/detector unit with clamp
- 9V-battery for the combined unit
- Battery holder for alkaline batteries
- Rechargeable batteries
- International charger
- Green target plate
- Green laser glasses



# Professional tools to make site work simpler



## Installing ceilings and walls

Using the motorised mount, the Leica Roteo 35/35G is easily moved up or down on the wall for ceiling grid installation. Align ceilings and drywalls in record time by working more efficiently.



## Marking out right angles

The Leica Roteo family is also a great help in the vertical plane. The combination of a vertical 360° reference plane and plumb beam simplifies layout. Allowing you to work accurately and efficiently on interior works.



## Aligning partitions and windows

The Leica Roteo's highly visible laser beam eases the task of aligning furniture and fittings. The laser detector ensures good visibility, even over particularly long distances in very bright lighting conditions.



## Stairs and roof pitches

You can position the Leica Roteo 35/35G manually or by means of the wall mount bracket at any angle between 0° and 90°, allowing you to work without any problems on stairs and roof pitches.



### **Marking without attachment points**

The clamp rod and mounting platform is fitted between the floor and ceiling. This eases the task of marking walls and provides you with a stable mount for working at heights up to 290 cm.



### **Levelling double floors**

The laser detector with clamp and staff allow you to set raised floor supports to millimetre accuracy. Nowadays it is a simple and quick job to set a raised floor.



### **Positioning drywall components**

The convenient combined remote control/detector for the Leica Roteo 35/35G quickly finds the rotating reference-laser beam and acts as a target plate. A series of acoustic signals indicates the precise position of the laser beam plane.



### **Laying paving**

Inclinations can be directly set on the Leica Roteo 25H, making laying paving, child's play, e.g. in a garage entrance or garden.

# Original accessories for the Leica Roteo family



**R250 laser detector with clamp for Roteo 20HV/25H/35**  
**Art. No. 772793**

For locating the red reference laser beam



**RRC350 combined remote control/detector with clamp for Roteo 20HV/25H/35**  
**Art. No. 762771**

For locating the red reference laser beam



**RC350 remote control**  
**Art. No. 762770**

For operating the rotating laser from a distance



**CLR290**  
**Clamp Rod\***  
**Art.No. 761762**

With mounting platform



**CTP106**  
**aluminium tripod**  
**Art. No. 767712**

Lightweight aluminium with side clamp screws and shoulder strap.

Working height from 1.00 m to 1.65 m



**CET103**  
**crank-head tripod**  
**Art. No. 768033**

Quality aluminium tripod with quick-release clamps, level and shoulder strap, working height from 0.84 m to 2.46 m (including screw-out central pillar)



**CTP104D**  
**aluminium tripod**  
**Art. No. 767711**

Medium aluminium with quick-release clamps and shoulder strap.

Working height from 1.05 m to 1.66 m

# Leica Roteo versatility

## An all-round programme

Technical data	Leica Roteo 35	Leica Roteo 35G	Leica Roteo 20HV	Leica Roteo 25H
Range	up to 150 m (500 ft) radius with laser receiver			
Self-levelling accuracy	± 3 mm at 30 m (± 1/8" at 100 ft)			
Automatic self-levelling laser	horizontal, vertical			horizontal
Self-levelling range	± 4.5°			
Rotation speed	variable 0, 150, 300, 450, 600 rpm			600 rpm
Scanning angle	variable between 2° and 36°			n/a
Wall mount bracket	motorised		manual	n/a
Dimensions laser (H x W x D)	189 x 136 x 208 mm (7.4 x 5.4 x 8.2") (without wall mount bracket)			
Weight with batteries	1.7 kg (3.7 lbs)			
Battery types	Alkaline D cells, 2 x 1.5 V or rechargeable battery pack (NiMH)		Alkaline D cells, 2 x 1.5 V	Alka. D cells, 2 x 1.5 V or recharge. battery pack (NiMH)
Battery life	50 hours (rechargeable), up to 160 hours (alkaline batteries)	25 hours (rechargeable), up to 40 hours (alkaline batteries)	up to 160 hours (alkaline batteries)	50 hours (rechargeable), up to 160 hours (alkaline batteries)
Protection class	IP 54, dust- and splash-proof			

Laser class 3R in accordance with IEC 60825-1 and EN 60825

Illustrations, descriptions and technical data may be subject to alteration; We reserve the right to make modifications.

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**Frank Schulze  
(Drywall)**

"For interior works, I require a versatile rotating laser. The Leica Roteo 35G is my perfect partner for laying floors, installing walls and ceilings, right up to fitting furniture."



**Ajro Selin  
(Foreman)**

"The motorised wall mount is simply ingenious! It can be set at any height. Using the remote control, I can operate the Leica Roteo 35 perfectly, even from a distance."



**Stefan Friehe  
(Carpenter)**

"If you work on building sites, you need robust instruments. Therefore the Leica Roteo 20HV is exactly the right tool! Its compact housing is very durable. It is also simple to operate. Everything I expect from a construction laser."

Your dealer



[www.leica-geosystems.com](http://www.leica-geosystems.com)

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