

RL-H5A

Standard Kit



- RL-H5A Unit
- Battery Holder DB-79A
- Battery Adapter(DC/DC converter) DD-79
- Power cable PC-28
- Carrying Case
- User Manual
- Safety Notice/Standard Kit List



SPECIFICATIONS

RL-H5A

Operating range		Diameter Approx. 2 to 800 m (When using LS-80L)
Accuracy		±10"
Self-leveling range:		±5°
Manual slope settable range		±5° (When the instrument is installed on the 0° surface)
Laser source:		Laser diode (Visible, 635 nm) CDRH (FDA) Class IIIa, IEC Class 3R
Rotational speeds		600 r.p.m
Status alerts		Hi and low battery
Dust and water resistance		IP66 (IEC60529: 2001)
Operating temperature		-20 to 50°C (-4 to 122°F)
Size		172(W) x 211(D) x 205(H) mm
Weight	Dry battery type	2.3 kg (5.1 lbs) (with dry cell batteries)
	External power supply type	1.8 kg (4.0 lbs) (with DD-79)
Power source/Operating time at 20°C (68°F)		4xD size dry cell batteries (alkaline) /100 hours

DD-79 (DC/DC Converter)

Input voltage	12V,24V DC
Output voltage	DC 6V/1.5A MAX 9W
Operating temperature	-20 to 50°C (-4 to 122°F)
Size	120(W) x 150(D) x 48(H) mm
Weight	250g

PC-28 (Power Cable)

Input voltage	DC12 to 24V
Withstand current	5A
Operating temperature	-20 to 50°C
Terminal figure	Clip type
Cable length	Approx. 5m

- Specifications may vary by region and are subject to change without notice.  
- Other trademarks and trade names are those of their respective owners.

Your local Authorized Dealer is:



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RL-H5A



RL-H5A  
Rotating Laser



Smart & Tough!  
All Round Rotating Laser

- + 10 Arc second (1.5mm@30m) horizontal accuracy
- Long range operation 800m
- External power supply system
- Manual slope capability
- Safety lock and tough IP66 rating
- High quality TOPCON laser
- User friendly design



# Reliable partner with 3 “Highs”!

## RL-H5A

**High  
accuracy**

**High  
reliability**

**High  
quality**

### User Friendly Design

Big handle, easy to grab even with glove on.  
Clear operational button, easy to understand what to do.  
New design to care for the user's operation.

### High quality of external power supply system

#### Battery Adapter (DC/DC convertor) DD-79

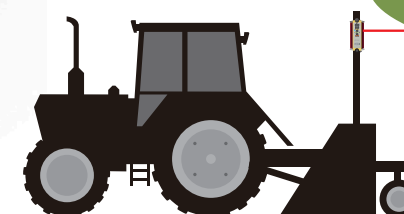
- Input voltage DC12V - DC24V (especially for car battery)
- Connector for high environment performance

#### Power Cable PC-28

- Connector for high environment performance
- 5m length for installation at high place
- Push-Pull lock structure for easy one-handed insertion and removal
- Alligator clip for car battery



**Long-term use for Agriculture**



### High Accuracy for large area

#### From Construction to Agriculture

+ 10 Arc second (1.5mm@30m) high horizontal accuracy. Large range operation 800m.  
All round rotating laser for pile foundation for buildings, leveling work for large construction site or farmland.



### Reliable leveling work



#### Reliable even at the vibrated environment

Electronic self-leveling mechanism inside makes stable laser beam even at vibrated environment where pendulum cannot perform well. Also, safety lock (high alert) function let the operator know in the case that the unit get slanted and its height changes. You can rely on it to use.



#### Tough IP66 Rating

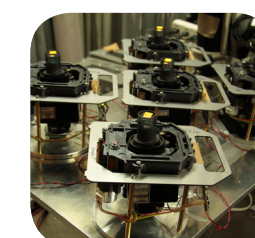
With the IP66 rating, RL-H5A is “Construction Site Tough” and can withstand dust, a sudden shower and even torrential rainfall.

### High Quality Topcon Laser

Topcon believes the product on site must have reliability from the customer.  
Therefore, the tough environmental test, simulated as tough construction site, is performed for RL-H5A.



High/Low Temperature Test



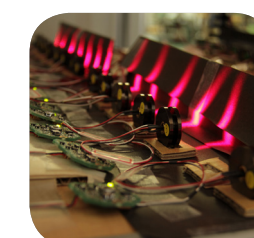
Repeatability Accuracy Test



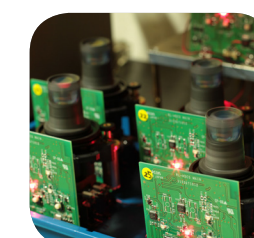
Vibration Test



Drop Test



Laser Endurance Test



Rotating Head Endurance Test