

# Leica Rugby CLA/CLH & CLI

## The first upgradable lasers



### Covers all application needs

The maximum flexibility and the ability to quickly adjust to the job's needs is vital for your projects. With the Leica Rugby CLA you can get your laser upgraded to match your application needs. You pay for the functionality you need to do your job without paying for the extra features that you don't use.

### Simplicity at its best

Leica Rugby CLH simplicity allows effortless use of the capabilities of the laser system. It saves time by simplifying applications and making you more productive. Its robust design secures measurement stability and accuracy for your daily tasks.

### Designed for durability

The Rugby CLI laser with an invisible beam serves a technology specifically for Rail-, land levelling, excavation and daily construction application. All jobs where invisible beam is required, the new Rugby CLI laser fulfills it with many more professional features such as multiple laser operation max 5 laser with one combo, 20 RPS.

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



- when it has to be **right**

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# Leica Rugby CLA/CLH & CLI



| LEICA RUGBY                            | CLH                                                     | CLA                                                     | CLI                                                     |
|----------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Warranty                               | 5Y/2Y knockdown                                         | 5Y/2Y knockdown                                         | 5Y / 2Y knockdown                                       |
| Grade capability* (X/Y Axes)           | 8%                                                      | 15%                                                     | 15%                                                     |
| Self-levelling accuracy**              | ± 1.5 mm at 30 m<br>(± 1/16" at 100 ft)                 | ± 1.5 mm at 30 m<br>(± 1/16" at 100 ft)                 | ± 1.5 mm at 30 m<br>(± 1/16" at 100 ft)                 |
| Self-levelling range                   | ± 6°                                                    | ± 6°                                                    | ± 6°                                                    |
| Operating range with Combo, RE 140/160 | 1350 m diameter                                         | 1350 m diameter                                         | 1350 m diameter                                         |
| Remote range                           | 600 m diameter                                          | 600 m diameter                                          | 600 m diameter                                          |
| Laser class                            | 1                                                       | 2                                                       | 1                                                       |
| Environmental standard                 | IP68/MIL-STD-810G                                       | IP68/MIL-STD-810G                                       | IP68/MIL-STD-810G                                       |
| Operating temperature                  | -20 °C to +50 °C<br>-4 °F to +122 °F                    | -20 °C to +50 °C<br>-4 °F to +122 °F                    | -20 °C to +50 °C<br>-4 °F to +122 °F                    |
| Storage temperature                    | -40 °C to +70 °C<br>-40 °F to +158 °F                   | -40 °C to +70 °C<br>-40 °F to +158 °F                   | -40 °C to +70 °C<br>-40 °F to +158 °F                   |
| Rotation speed                         | 10, 15, 20 RPS                                          | 0, 2, 5, 10, 15, 20 RPS                                 | 10, 15, 20 RPS                                          |
| Batteries (Li-Ion)                     | Li-Ion                                                  | Li-Ion                                                  | Li-Ion                                                  |
| Battery operating time**               | 50 h                                                    | 50 h                                                    | 50 h                                                    |
| Battery charging                       | 5 h (full charge)<br>1 h fast charge = 8 h<br>operating | 5 h (full charge)<br>1 h fast charge = 8 h<br>operating | 5 h (full charge)<br>1 h fast charge = 8 h<br>operating |
| Dimensions (H × W × D)                 | 230 mm / 9,1 in<br>296 mm / 11,7 in<br>212 mm / 8,3 in  | 230 mm / 9,1 in<br>296 mm / 11,7 in<br>212 mm / 8,3 in  | 230 mm / 9,1 in<br>296 mm / 11,7 in<br>212 mm / 8,3 in  |
| Weight with batteries                  | 3.8 Kg / 8,3 lbs                                        | 3.9 Kg / 8,5 lbs                                        | 3.9 Kg / 8,5 lbs                                        |

\* Up to 45° with adapter. \*\* Accuracy defined at 25°C (77°F) battery life depending upon environmental conditions. All specifications are depending on activated functionality.

## LEICA COMBO (RECEIVER/REMOTE)

|                                                              |                             |                                                                |                                                     |
|--------------------------------------------------------------|-----------------------------|----------------------------------------------------------------|-----------------------------------------------------|
| Warranty                                                     | 3Y                          | Batteries (li-ion) / Battery operating time*                   | Li-Ion 3.7V / 50 h                                  |
| Anti-Strobe                                                  | ✓                           | Battery charging                                               | 5 h (full charge) 1 h (fast charge - 8 h operating) |
| Working range - Receiver                                     | 1350 m / 4430 ft (diameter) | Rechargeable battery / charging option with power bank (USB-C) | ✓                                                   |
| Working range - Remote                                       | 600 m / 1969 ft (diameter)  | Operating temperature                                          | -20°C to +50°C, -4°F to +122°F                      |
| Detection window                                             | 120 mm / 4.7 in             | Dimensions (H × W × D)                                         | 205 mm/8.1 in, 86 mm/3.4 in, 32 mm/1.2 in           |
| Digital read out / Offset / Variable detection window length | ✓                           | Weight with batteries                                          | 0.4 Kg / 0.9 lbs                                    |
| Audio volumes                                                | 4 (including mute)          |                                                                |                                                     |
| Detection bandwidth                                          | 0.5, 1, 2, 5 mm             |                                                                |                                                     |
| Environmental standard                                       | IP67                        |                                                                |                                                     |

\* Defined at 25°C (77°F) battery life depending upon environmental conditions. All specifications are depending on activated functionality.

✓ = Standard ✗ = Not available

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