

# Leica Rugby 870 and 880 grade lasers

## Technical Data Sheet



Typical scope of delivery

### Recommended Leica Rugby package

- Leica Rugby 880/870
- Rod Eye receiver (140, 160, 180)
- RC 800 remote control (optional)
- Li-ion battery and a charger
- Carrying case with a case sleeve
- Calibration Certificate Blue
- PROTECT by Leica Geosystems card
- User manual and safety instructions
- Quick Start Guide



| Technical Data                             | Leica Rugby 870                                    | Leica Rugby 880                                  |
|--------------------------------------------|----------------------------------------------------|--------------------------------------------------|
| Functionality                              | Fully automatic, self-levelling single grade laser | Fully automatic, self-levelling dual grade laser |
| Auto grade range                           | ±15% single axis                                   | ± 15% single axis<br>± 10% / ± 3% dual axis      |
| Range (diameter)                           | 1,300 m                                            | 1,300 m                                          |
| Self-levelling accuracy                    | ±1.5 mm @ 30 m                                     | ±1.5 mm @ 30 m                                   |
| Self-levelling range                       | ± 6°                                               | ± 6°                                             |
| H.I. elevation alert                       | YES                                                | YES                                              |
| Rotation speeds                            | 5, 10                                              | 5, 10                                            |
| Laser diode type / class                   | 635 nm, Class 1                                    | 635 nm, Class 1                                  |
| Battery life (alkaline / lithium-ion)      | 60 hours/ 45 hours @ 20°C                          | 60 hours / 45 hours @ 20°C                       |
| Protection class (splash water/dust proof) | IP 68                                              | IP 68                                            |
| Operating temperature                      | -20°C to +50°C                                     | -20°C to +50°C                                   |
| Weight with batteries                      | 3.0 kg                                             | 3.0 kg                                           |
| Remote range (radius)                      | 300 m                                              | 300 m                                            |



Laser class 1 product  
in accordance with  
IEC 60825-1 (2014-05)

