

# 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 ± 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)

- when it has to be **right**

**Leica**  
Geosystems