

# SPECIFICATIONS

Weight	1.6 Kg (3.5 lb.)
Dimensions	18.8 x 10.8 x 26.9 cm (7.4 x 4.25 x 10 in)
Environmental	Waterproof to IP 67 and NEMA 6
FDA CDRH Laser Class	Class I (eye safe)
Maximum Range	1850 meters (6200 feet)
Range Accuracy	0.10 meter (0.3 ft) to a white target at 85 m (one sigma)
Typical Range Performance	175 m to an over head cable 400 m to power/telephone poles 400 m to tree (no foliage) 800 m to building or tree (with foliage)
Inclination Limits	+/- 40 degrees
Inclination Accuracy	+/- 0.1 degrees (typical)
Bearing Accuracy	+/- 0.5 degrees
Power Supply (Battery)	Internal NiMH pack 9.6V (up to 24 hrs of use)
Power Supply (Cord)	Cigarette light plug (9-18VDC input)



## APPLICATIONS

- GIS/GPS offset mapping
- Area/perimeter measurement
- Construction site measurements
- Indoor/outdoor space planning
- Golf course planning and surveying
- General Distance measuring & quick survey estimating
- Mine face profiling
- Tree height measurement
- Horizontal distance measuring for utility pole and tower separation
- Slope/grade measurement
- Conductor height clearance
- Missing line measurement

## FEATURES

- On-board software solutions for a variety of application specific demands including: height, horizontal distance, area, slope and more.
- Continuous data readout from our Head-Up Display (HUD), rear panel display and serial port.
- Poor weather mode for use in, rain, snow, fog, or dust.
- Sturdy, ergonomic handle designed to reduce wrist and arm strain.
- High power density rechargeable battery (NO MEMORY LOSS) with rapid "smart charger" standard with each Sokkia HL3D.
- User selectable units of measure (meters, yards or feet).
- Audible indication of signal quality.
- 2 x 16 character backlit LCD for easy menu navigation day or night.



\* All Sokkia HL3D Handlaser models come equipped with a high power density NiMH battery pack, mounting yoke, smart charger and a durable hard shell case. All units are covered by a one year limited warranty. All units are available in a platform mountable format, and an integral 9-18 VDC power cord.

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