

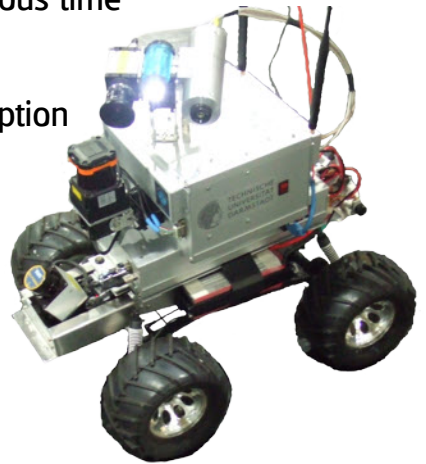
URG-04LX

An ultra light & compact LRF from **HOKUYO**

Laser Range Finders (LRF) provide continuous time stamped mapping information.

The **URG-04LX** has become the default option for serious robotiers looking to develop autonomous mobile robots.

Its functionality, size and low power consumption make it ideal for mobile Robots.



- 5.6 metres
- 240° scan window
- 0.35° resolution
- 10 scans per second
- Compact 50 x 50 x 70mm
- Lightweight 160g
- Power Frugal 5V DC

Specification

Power Source	5V DC \pm 5%
Detection Range	20mm ~ 5.6m: White Square Kent Sheet 70mm 240°
Scan Window	240°
Accuracy	Up to 1m: \pm 10mm. Above 1m 1% of distance
Angular Resolution	0.36° (360° / 1,024 steps)
Light Source	Laser diode (λ =785nm) Laser safety class 1 (FDA)
Scan Time	100 msec/scan
Sound Level	Less than 25 dB
Interface	RS232 + USB
Synchronous output	NPN open collector
Command system	SCIP 1.1 /2.0
Temperature / Humidity	-10°C -50°C, < 85% RH (no condensation or icing)
Vibration Resistance	Double amplitude 1.5mm 10 ~ 55 Hz, 2 hrs in X, Y, Z direction
Impact Resistance	196 m/s ² , 10 times each in X, Y and Z direction
Weight	Approx 160g

Dimensions

