



Hokuyo URG-04LX Laser R283-HOKUYO-LASER1 \$2375.00

This URG-04LX laser range-finder offers both serial (RS-232) and USB interfaces to provide extremely accurate laser scans. The field-of-view for this detector is 240°. Distances are reported from 20 mm to 4 m (0.79 in to 13.12 ft).

More Details

The sensor comes with diagnostic software and detailed information on the simple serial protocol used to manipulate the readings, turn on/off the laser, and interact with this rich sensor.

Specifications	
Voltage	5.0 V \pm 5 %
Current	0.5 A (Rush current 0.8 A)
Detection Range	0.02 m to approximately 4 m
Laser wavelength	785 nm, Class 1
Scan angle	240°
Scan time	100 ms/scan (10.0 Hz)
Resolution	1 mm
Accuracy	Distance 20 ~ 1000 mm: \pm 10 mm
	Distance 1000 ~ 4000 mm: \pm 1 % of measurement
Angular Resolution	0.36°
Interface	USB 2.0, RS232
Weight	141 gm (5.0 oz)

Interfacing Details

The sensor is not powered through a USB connection. A stable power source at 5 VDC and a current capacity of 1.5 A is recommended. The sensor also includes necessary wiring hardware to interface to the sensor via a serial connection. Additional cables can be purchased if necessary.

Interface Cable Details	
Output (Synchronous output)	Black
RxD	Yellow
TxD	Green
5 V DC (Power)	Brown
0 V DC (Power)	Blue

