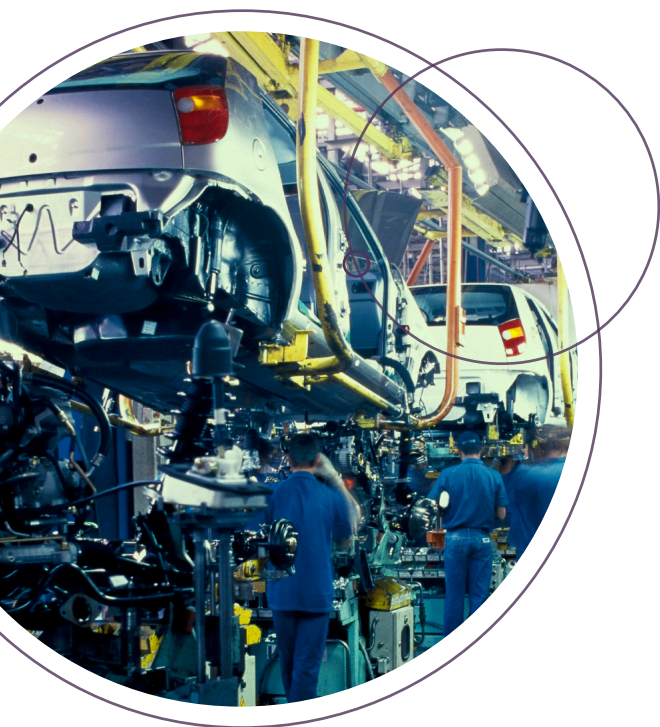


HOKUYO

UBG-04LX-F01

LASER RANGE FINDER



4 times as fast as the
URG-04LX and still fit for
battery operated use.

5.6 metre range
240° scan angle
0.36° resolution
USB and RS232 interfaces
IP40

SENTEK
solutions

The UBG-04LX-F01 scanning laser rangefinder is a small, accurate, high-speed device for robotic applications. This model includes both RS232 and USB interfaces for communication and can obtain measurement data up to a distance of 4 meters with millimeter resolution. Due to its low power consumption this scanner is able to be used on battery-operated platforms. The Hokuyo UBG-04LX-F01 is essentially a turbo charged URG-04LX, it is almost four times as fast but still fits into a similar compact and lightweight footprint.

Model Number

UBG-04LX-F01

Range	5.6m
Scanning angle	240°
Light source	Laser Semiconductor 785nm , Laser Class 1
Power source	12VDC ±5%
Current consumption	370mA or less (rush current approx. 700mA)
Detectable object	80x80mm white sheet
Scanning range	0.06 to 4m
Scanning accuracy*	0.06 to 1m: ±10mm, 1 to 4m: 1% of measuring distance
Beam diameter	Approx 40mm (at 4m)
Resolution	1mm
Angular resolution	Step angle: approx 0.36° (360°/1024 steps)
Scanning time	28msec/scan
Interface	USB2.0 (full speed) RS-232C (19.2k, 57.6k, 115.2k, 250k, 500k, 750kbps)
Communicating specifications	Exclusive command (SCIP Ver.2.0)
Output	Photo-coupler/NPN open-collector output (30VDC 50mA or less) Synchronous output and malfunction output
Weight	260g
Case	Front of case: Polycarbonate, Back of case: ABS resin
Dimensions	60mmx75mmx60mm
Life	5 years
Noise	25dB or less (at 300mm)
Protective structure	IP40

* Accuracy is correct when shipped

Note) Device may malfunction when receiving strong light, such as sunlight, directly.

Note) This sensor is not a safety device/ tool.

Note) This sensor is designed for indoor use only.

Note) This sensor is not for use in military applications.

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