Scanse Sweep

SEN-14117 ROHS

**RATING**

- Range: 40m
- Resolution: 1cm
- Sample Rate: Up to 1075Hz (500Hz default)
- Field of View: 360°
- Rotation Frequency: 1–10Hz (Adj.)
- Interface: 3.3V (5V tolerant) UART TTL
- Power: 5V @ 450mA to 650ma
- USB Plug and Play
- Weight: 120 grams
- 65mm x 61.9mm

**Tags**

GARMIN  LIDAR  LIDAR-LITE  PROXIMITY  RANGE  SCANSE  SENSOR  SWEEP

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**Scanse Sweep Product Help and Resources**

**SKILLS NEEDED**

**Core Skill: DIY**

Whether it's for assembling a kit, hacking an enclosure, or creating your own parts; the DIY skill is all about knowing how to use tools and the techniques associated with them.

Skill Level: Noob - Basic assembly is required. You may need to provide your own basic tools like a screwdriver, hammer or scissors. Power tools or custom parts are not required. Instructions will be included and easy to follow. Sewing may be required, but only with included patterns.

See all skill levels

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**Core Skill: Programming**

If a board needs code or communicates somehow, you're going to need to know how to program or interface with it. The programming skill is all about communication and code.

Skill Level: Rookie - You will need a better fundamental understand of what code is, and how it works. You will be using beginner-level software and development tools like Arduino. You will be dealing directly with code, but numerous examples and libraries are available. Sensors or shields will communicate with serial or TTL.

See all skill levels

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**Core Skill: Electrical Prototyping**

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.

Skill Level: Rookie - You may be required to know a bit more about the component, such as orientation, or how to hook it up, in addition to power requirements. You will need to understand polarized components.

See all skill levels
Customer Reviews

3.8 out of 5

Based on 6 ratings:

- 5 star: 2
- 4 star: 3
- 3 star: 0
- 2 star: 0
- 1 star: 1

Currently viewing all customer reviews.

1 of 1 found this helpful:

⭐⭐⭐⭐⭐ Nice product.

about 7 months ago by TherapyNotWorking ⚡ verified purchaser

It does what it claims to do. It’s well built, well documented and easy to hookup. You can, out of the box, plug it into your PC’s USB and fire up the Visualizer app and see the data. It’s whisper quiet. It does seem a bit delicate but it recovers from bumps and re-orientation (turn to side or upside down etc) no problem.

⭐⭐⭐⭐ The device seems to work well, but showed up dirty

about 8 months ago by Member #1039132 ⚡ verified purchaser

I bought this brand new, but it looked like it was used. It had some kind of glue or something on top of the item and was dirty looking. It seems to work fine, but kind of annoying getting what looks like a used item.

⭐⭐⭐ It works well with ROS.

about 7 months ago by Member #1068203 ⚡ verified purchaser

Works great

about 6 months ago by andygrove ⚡ verified purchaser

I bought this for my AVC entry. It is simple to get up and running and works really well.

In case anyone is interested, I wrote a Rust library for it (just a wrapper around the C SDK).

https://github.com/andygrove/libsweep-rs

exclente equipo

about 4 months ago by Member #1189334 ⚡ verified purchaser

un gusto hacer negocios con ustedes todo lo que compramos resulto exactamente como lo esperábamos

0 of 1 found this helpful:

⭐⭐⭐ Barely works

about 4 months ago by Member #204440 ⚡ verified purchaser

It seems to operate really poorly with any setting. Just using sweep visualizer to test results are underwhelming and doesn’t seem to match specs. Tried anyway with my bot in ROS and had issues again unusable sample rate is poor. I don’t know if I have a bad unit -vibration some noise- but the neato 2d lidar has worked better.
In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.