



SensComp, Inc.
36704 Commerce Rd.
Livonia, MI 48150
Telephone: (734) 953-4783
Fax: (734) 953-4518
www.senscomp.com

OEM Kits

SensComp's OEM Kits provide the transducers and drive electronics for prototype development

Features

- Accurate Sonar Ranging from 6 inches to 35 feet
- Drives a 50 KHz Electrostatic Transducer Without an Additional Interface
- Operates from a Single Power Supply Source
- Accurate Clock Output Provided for External Use
- Selective Echo Exclusion
- TTL Compatible
- Multiple Measurement Capability
- Integrated Transducer Cable
- Variable Gain Control Potentiometer

Part No.

- PID# 606783 – 600 Series instrument Grade OEM Kit
- PID# 606784 – 600 Series Open Face OEM Kit
- PID# 606785 – 7000 Series OEM Kit

Kit Contents

- 2 - Electrostatic Transducers (Series 600 or 7000)
- 2 – Series 6500 Sonar Ranging Modules
- 1 – Ultrasonic Ranging System Manual

Specifications

- Distance Range:** 0.15 to 10.7 M (0.5 to 35 Ft)
- Power Required:** Each module)
 - Voltage** 4.5 to 6.8 VDC (+5 VDC nominal)
 - Current** 100 mA
- Outputs:**
 - TTL Open collector outputs require a pull up resistor to Vcc (typically 4.7 Kohms to Vcc=+5V)



Description

The **OEM Kit** is a great building block for prototypes. It contains all of the front end drive electronics necessary to create a ranging system

Included in the package are two 600 series Instrument grade, two open face transducers, or two 7000 series transducers. Also included are two 6500 series ranging modules, wires, connectors and technical information.

The output from the kit is a TTL level signal going from low to high when an echo is received. To get distance information, the user measures the elapsed time between the start of transmit signal and the echo received signal. Knowing the speed of sound in air this time measurement can be converted into a distance measurement.

For a complete ranging system, in addition to the 6500 sonar ranging module, the user must supply the electronics to perform the input triggering, the trigger-to-echo time measurement, and the display functions for the system.