![SensComp - The Electrostatic Ultrasonic Sensor Experts.]

Series 600 and 7000 OEM Kits

SensComp's Series 600 and Series 7000 OEM Kits provide the ultrasonic sensors and drive electronics for prototype development using our popular Series 600 or Series 7000 Electrostatic Ultrasonic sensors

Features

Accurate Sonar Ranging from 6 inches to 35 feet

Drives a 50 KHz Electrostatic Ultrasonic Sensor 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 Ultrasonic Sensor Cable

Variable Gain Control Potentiometer

Part No.

*PID# 606782LF – Series 600 Environmental Grade OEM Kit
*PID# 606783LF – Series 600 Instrument Grade OEM Kit
*PID# 606785LF – Series 7000 OEM Kit

*RoHS Compliant

606783LF Shown

Kit Contents

2 - Electrostatic Ultrasonic Sensors (Series 600 or 7000)
2 – **SMT 6500 Ranging Modules
2 – Ribbon Cables
4 – Female Transducer Clips

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
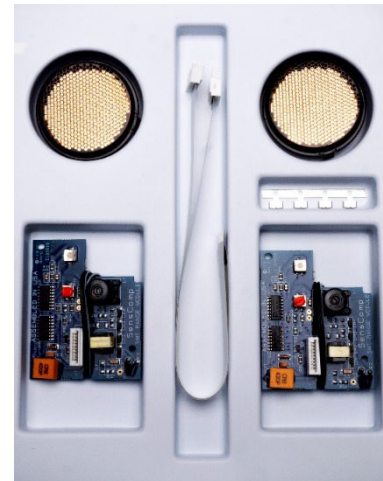
Outputs:
TTL Open collector outputs require a pull up resistor to Vcc (typically 4.7K Ω to Vcc = +5V)

Notes:

[1] Lines which may occasionally appear in foil have no effect on product functionality or performance.

[2] Variations in die depth may result in minor variations of tolerances.

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 Electrostatic Ultrasonic sensors: either Series 600 (Instrument Grade or Environmental Grade) or Series 7000. Also included are two SMT 6500 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.

**** Ultrasonic Ranging System Manual - download instructions included with purchase.**

SENSCOMP PRODUCT SPECIFICATION SHEET DISCLAIMER NOTICE

Information provided in this document is proprietary to SensComp, Inc. ("SensComp") and SensComp reserves the right to make corrections, enhancements, improvements and other changes to its products, specification sheets and data, and to discontinue any product at any time, without further notice. Buyer should obtain the latest relevant information before placing an order and should verify that such information is current and complete. All products are sold subject to SensComp's terms and conditions of sale in effect at the time of order acknowledgment.

SensComp disclaims any and all liability for any errors, inaccuracies or incompleteness contained in any specification sheet or in any other disclosure relating to any product. Information contained herein is strictly for reference and subject to change without notice. SensComp is not liable for any damages that the reader or any third person might suffer as a result of the reader ignoring this warning.

SensComp makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose. SensComp disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential, or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for a particular purpose, non-infringement, and merchantability.

Any performance specs are believed to be reliable but are not verified, and buyer must conduct and complete all performances and other testing of the products, alone and together, with, or installed in any end-product. Buyer shall not rely on any data and performance specs pr parameters provided by SensComp.

SensComp assumes no liability for applications assistance or the design of Buyer's products. Buyer is responsible to independently determine suitability of any products and to test, verify and validate its products, designs and applications using SensComp's products or components. To minimize the risks associated with Buyer's products and applications, Buyer should provide adequate design and operation safeguards.

The information provided by SensComp here under is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with buyer. SensComp does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information.

SensComp products have been subject to limited testing and are not authorized for use in aircraft, aviation, nuclear, medical, or safety-critical applications including, but not limited to, life support, and where a failure of the SensComp product would reasonably be expected to cause severe personal injury or death.