



CETRONIC Ultrasonic Sensor HC-SR05 User Manual

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HC-SR05 ULTRASONIC SENSOR



USER MANUAL



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Introduction

To all residents of the European Union Important environmental information about this product



This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment. Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling. This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules.

If in doubt, contact your local waste disposal authorities.

Thank you for choosing Velleman®! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, do not install or use it and contact your dealer.

Safety Instructions



This device can be used by children aged from 8 years and above, and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the device in a safe way and understand the hazards involved. Children shall not play with the device. Cleaning and user maintenance shall not be made by children without supervision.



Indoor use only.

Keep away from rain, moisture, splashing, and dripping liquids.

General Guidelines







- Refer to the Velleman® Service and Quality Warranty on the last pages of this manual.
- Familiarise yourself with the functions of the device before actually using it.
- All modifications of the device are forbidden for safety reasons. Damage caused by user modifications to the device is not covered by the warranty.
- Only use the device for its intended purpose. Using the device in an unauthorized way will void the warranty.
- Damage caused by disregard of certain guidelines in this manual is not covered by the warranty and the dealer will not accept responsibility for any ensuing defects or problems.
- Nor Velleman NV nor its dealers can be held responsible for any damage (extraordinary, incidental, or indirect) – of any nature (financial, physical...) arising from the possession, use, or failure of this product.
- Due to constant product improvements, the actual product appearance might differ from the shown images.
- Product images are for illustrative purposes only.

- Do not switch the device on immediately after it has been exposed to changes in temperature. Protect the device against damage by leaving it switched off until it has reached room temperature.
- Keep this manual for future reference.

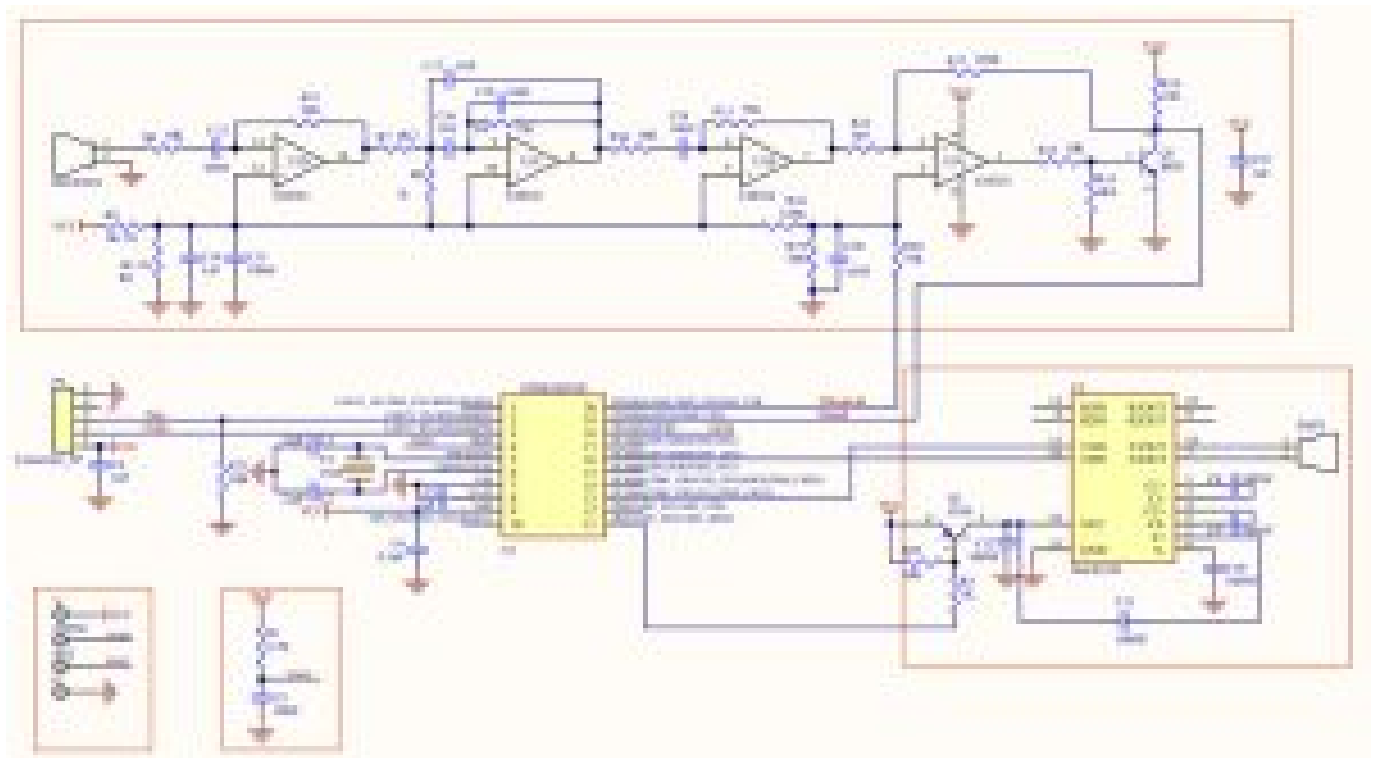
Overview

The ultrasonic distance sensor provides an easy way for your projects to measure distances up to 4.5 m.

Arduino®		
+5 V		VCC
D4		ECHO
D2		TNG
GND		GND


voltage 4.5 to 5.5 VDC
.sound frequency 40 KHz
measurement resolution 0.3 cm
measurement angle 15°
supply current. 10 to 40 mA
trigger pin format 10 µS pulse
connect 5-pin male
detection distance 2 to 450 cm
dimensions	45 x 20 x 13 mm

Use this device with original accessories only. Velleman NV cannot be held responsible in the event of damage or injury resulting from (incorrect) use of this device. For more info concerning this product and the latest version of this manual, please visit our website www.Velleman.EU. The information in this manual is subject to change without prior notice.



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Documents / Resources

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