Vannsikker ultralydsensor



Produktkode: 247aa
Tilgjengelighet: 1
Weight: 20.00g

Pris: kr. 250,00

Kort beskrivelse

ME007-ULS V1 Waterproof Ultrasonic Sensor Module Measuring Range 25cm-8m

Beskrivelse

Features?

1) High degree of protection;

2) Wide usage range, low-power dissipation;

3) Simple to use, handle easily;

4) High measuring accuracy and resolution;

5) Small detection blind area, long detection range;

6) With high precision temperature output and temperature compensation function;

7) Varied output mode: serial output, PWM output, digital output;

Applications?

1) High precision distance measuring;

2) Obstacle-avoidance, automatic control;

3) Objects close to, exist, perceive;

4) Traffic control;

5) Security and protection, industrial control;

6) Artificial intelligence, teaching and research;

Electrical parameters?

	PWM output	**Serial output**	**Digital output**
Supply voltage	3.3V-12V		
Standby current	Less than 200uA		More than 400uA
Average current	2mA(base on supply voltage is 5V?cycle is 250MS)		
Center frequency	40 KHZ		
Blind zone	200 MM		
Max. detection distance	More than 8M		
Emission angle	8°		
Work cycle	More than 60MS?controlled by the trigger signal		250 MS
Trigger signal	Falling edge?low level keeps 0.1-10MS		GND connection
Test precision	±1CM		
Resolution of ranging	1 MM		
Temperature compensation	Non compensation	compensation	
Temperature output	None	Have	None
Operating temperature	-25?—70?		

Storage temperature	-40?—85?

Package Includes:

- 1x Controller
- 1x Wire

Applikasjon Arduino

- Newbie
- Posts: 1
- Karma: 0 [add]

DYP-ME007 Ultrasound range finder - display distance on a I2C 2x16 LCD

Jun 07, 2011, 08:41 am

I have read pretty confusing at best to get DYP-ME007 Ultrasound range finder and display distance on a I2C 2x16 LCD. Here is a simple sketch, hook up, analog 5 and the SDA data line on analog 4. Hook it all up, connect your board to USB, upload this script

Quote 8

```
/* The Arduino script reads the DYP-ME007 Ultrasound Range finder to
 * display distance on a I2C 2x16 LCD display. Hook it all up,
 * connect your board to USB, upload this script and enjoy!
 * Have fun! Love-tronics 2011 - Posted on http://arduino.cc/forum/index.php?topic=60973.0
 */
#include <Wire.h>
#include <LiquidCrystal_I2C.h>
LiquidCrystal_I2C lcd(0x27,16,2);  // set the LCD address to 0x27 for a 16 chars and 2 line display
int EchoPin = 3;//ECHO
int InitPin = 4;//INIT
int pulseTime = 0;
int distance = 0;
int temp = 0;
void setup()
{
  pinMode(EchoPin, INPUT);
  lcd.init();  // initialize the lcd
  lcd.backlight();
  pinMode(InitPin, OUTPUT);
}
void loop()
{
  digitalWrite(InitPin, LOW);
  delayMicroseconds(2);
  digitalWrite(InitPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(InitPin, LOW);
  pulseTime = pulseIn(EchoPin, HIGH);
  distance = pulseTime/58;
  lcd.setCursor(0,0);
  lcd.print("Distance: ");
  lcd.print(distance);
  lcd.print("cm");
  delay(100);
}
```

Produktgalleri




1 2 3 4 5
LED




ME007-ULS V1
1. DC3.3-12V
2. Trigger
3. TX/PWM
4. ON-OFFout
5. GND
1 2 3 4 5









