
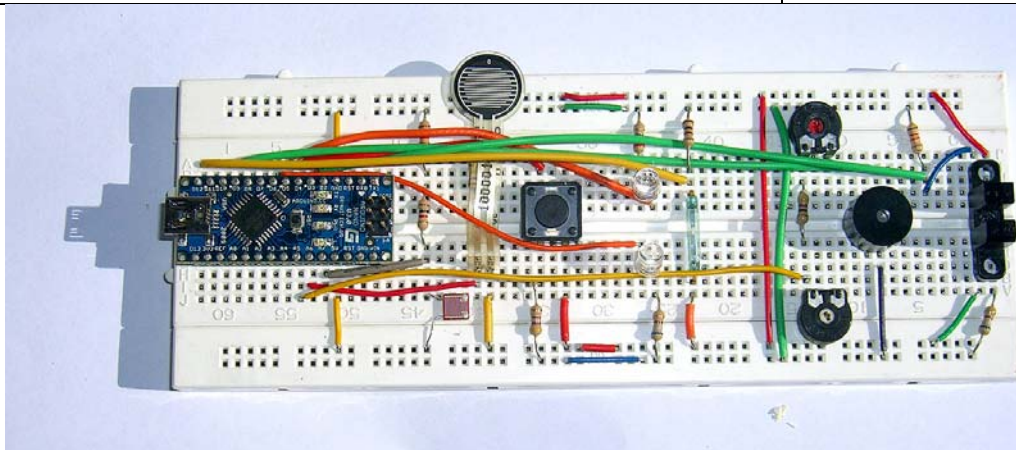


Hardware, Sensorik & Microcontroller for RichMediaApps

Main Topic: Sensor Demo Board

Keywords: Arduino Sensor Board, PWM, Input/Output

NIS Sensor Demo Board

<div style="border: 1px solid gray; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Event Counter <input type="text" value="906"/></p> <p>Digital Pin 3 (INPUT Lichtschanke) <input checked="" type="checkbox"/></p> <p>Digital Pin 4 (INPUT Button) <input type="checkbox"/></p> <p>Digital Pin 12 (INPUT Reed) <input type="checkbox"/></p> </div> <div style="width: 45%;"> <p>Analog 7 (Light 3K) <input type="text" value="850"/></p> <p>Analog 6 (Druck 90M) <input type="text" value="620"/></p> <p>Analog 5 (Drehpoti 250) <input type="text" value="103"/></p> <p>Digital 6 PWM (LED) <input type="text" value="10"/></p> <p>Digital 9 PWM (Speaker) <input type="text" value="0"/></p> <p>Digital Pin 5 (OUTPUT) <input checked="" type="checkbox"/></p> <p>Digital Pin 13 (OUTPUT) <input checked="" type="checkbox"/></p> <p>Rotation Button - Dig. Pin 11 (OUTPUT) <input checked="" type="checkbox"/></p> </div> </div> <div style="text-align: center; margin-top: 10px;">  </div> </div>	<p>Drehgeber & Button Lichtschranke Reed Kontakt Buzzer (PWM) LED (Digital) LED (PWM) LED (onboard P13) Licht-R Druck-R Button (Digital) Poti(s) U-Teiler</p>
	

Codebeispiel

```

01 a.addListener(ArduinoEvent.ANALOG_DATA, onReceiveAnalogData);
02 a.addListener(ArduinoEvent.DIGITAL_DATA, onReceiveDigitalData);
03 ...
04 switch (e.pin) {
05   case 3 :// TCST 2103 - lichtschranken
06     dataDigital3.selected = (e.value == "0" ? false : true);
07     break;
08   case 7 :// rotary button
09     check_rotation(1, (e.value == "0" ? false : true));
10     break;
11   case 8 :// rotary button
12     check_rotation(2, (e.value == "0" ? false : true));
13     break;
14   case 11 :
15     dataDigital11.selected = (e.value == "0" ? false : true);
16     e.value=="0"?myRotation.gotoAndStop(2):myRotation.gotoAndStop(1);
17     break;
18   ...
19
20 // SPEAKER - set a pin to PWM for Audio
21 a.setPinMode(9, Arduino.PWM);
22 a.writeAnalogPin(9, myPWM);
23
24

```

轴旋转方向 Shaft rotational direction	信号 Signal	出力波形 Output
顺时针方向 C. W.	A(A-C端子) A(Terminal A-C)	ON OFF
	B(B-C端子) B(Terminal B-C)	ON OFF
反时针方向 C. C. W.	A(A-C端子) A(Terminal A-C)	ON OFF
	B(B-C端子) B(Terminal B-C)	ON OFF