

# **Data Coaster**

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**PREPARED FOR**

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# Customer Feedback

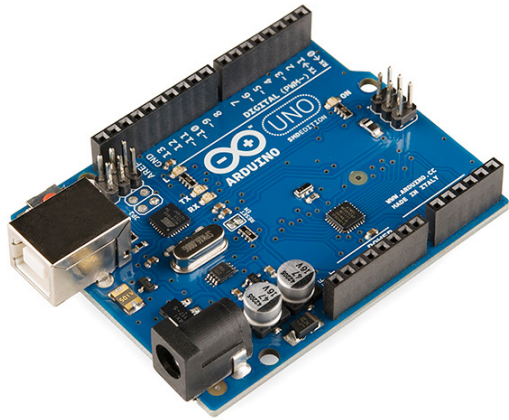
1. How honest is the feedback?
2. How many customers don't speak out?
3. How to retrieve product-specific feedback?

# DataCoaster

Measures the consumption rate during a time interval

**DataCoaster**

How does it work?



**Arduino**



**Force sensor**



**Battery**

```
#include <EEPROM.h>

int addr = 0;

void setup() {

    Serial.begin(9600);

    pinMode(0, INPUT);

}

void loop() {

    int sensorval = analogRead(0);

    sensorval = map(sensorval, 0, 1023, 0, 100); //convert the values

    Serial.println(sensorval, DEC); //retrieve the values

    delay(60000); //add a delay of 1 minute

    EEPROM.write(addr, sensorval); //store the value on the equivalent byte

    addr = addr + 1; //move to the next byte

}
```

```
COM7 (Arduino/Genuino Uno)
|
97
92
87
78
69
61
54
33
22
```

**Sensor values**

```
COM7 (Arduino/Genuino Uno)
|
0      97
1      92
2      87
3      78
4      69
5      61
6      54
7      33
8      22
```

**Data retrieved**

EEPROM address (byte)  
equivalent to minutes

EEPROM address (byte)	Value (minutes)
0	97
1	92
2	87
3	78
4	69
5	61
6	54
7	33
8	22



**DataCoaster**

Future components?

**Thank you!**