

# Arduino Humidity Sensor Library

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## 1 Todo List

### Member [HumidityHIH4030::getHumidityPercentage\(\)](#)

Check the output for invalid data: over or under 100 (how to report?)

## 2 Class Index

### 2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

#### [HumidityHIH4030](#)

Arduino library for retrieving data from Honeywell's HIH4030 Humidity sensor

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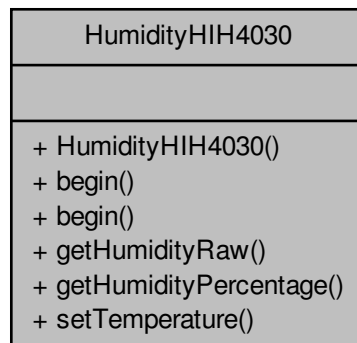
## 3 Class Documentation

### 3.1 HumidityHIH4030 Class Reference

Arduino library for retrieving data from Honeywell's HIH4030 Humidity sensor.

```
#include <HumidityHIH4030.h>
```

Collaboration diagram for HumidityHIH4030:



## Public Member Functions

- [HumidityHIH4030](#) ()  
*Default constructor.*
- void [begin](#) ()  
*Begin using default values: humidityPin = A0.*
- void [begin](#) (int humidityPin)  
*Begin with user selected analog inputpin.*
- int [getHumidityRaw](#) ()  
*Returns the humidity as a raw value: ADC output: 0 -> 1023.*
- float [getHumidityPercentage](#) ()  
*Returns the relative humidity percentage. Should be between 0% and 100%.*
- void [setTemperature](#) (int temperature)  
*setTemperature: set the room temperature (used in humidity calculation)(default value: 20 ° Celsius).*

## 3.1.1 Member Function Documentation

## 3.1.1.1 void HumidityHIH4030::begin ( int humidityPin )

Default Temperature: 20 ° Celcius

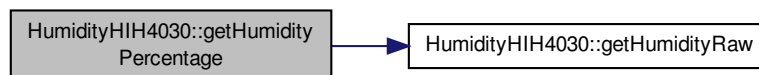
Here is the call graph for this function:



## 3.1.1.2 float HumidityHIH4030::getHumidityPercentage ( )

**Todo** Check the output for invalid data: over or under 100 (how to report?)

Here is the call graph for this function:



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