

# SparkFun Humidity Sensor Breakout, HIH-4030

This is a breakout board for the humidity sensor HIH-4030 from Honeywell. The HIH-4030 measures the relative humidity (%RH) and supplies it as an analogue output voltage. You can connect the output of the sensor directly to an ADC on a

**Product number** SEN-09569

**Weight** 0.001kg



## Product description

This is a breakout board for the humidity sensor HIH-4030 from Honeywell. The HIH-4030 measures the relative humidity (%RH) and delivers it as an analogue output voltage. You can connect the sensor's output directly to an ADC on a microcontroller; and thanks to the sensor's near-linear voltage output, the data is very easy to process.

The voltage on the supply pins should be between 4 and 5.8 VDC, with 5 V being optimal. The sensor will typically only consume around 200 $\mu$ A.

This product is supplied as shown in the picture, with the HIH-4030 soldered to the breakout board. The pins of the 3-pin header are 0.1" apart.

### Features:

- Near linear analogue output
- 4-5.8VDC power supply
- All pins broken out to a 0.1" pitch header
- Laser-trimmed interchangeability
- Low power design, typical current consumption of only 200 $\mu$ A
- Increased accuracy
- Fast response time
- Stable, low drift behaviour
- 0.75 x 0.30 " (19.05 x 7.62 mm)

### Documents:

- [Start with the HIH-4030 Breakout Guide](#)
- [Circuit diagram](#)
- [Eagle files](#)
- [Connection instructions](#)
- [Data sheet](#) (HIH4030)
- [Hygrometer preparation note](#)
- [GitHub](#) (design files)

## Product properties

<b>Zolltarifnummer</b>	84733020
<b>Gross Weight (kg)</b>	0.001
<b>Country of Origin</b>	USA
<b>Brand</b>	SparkFun
<b>Product ID</b>	SEN-09569
<b>Manufacturer ID</b>	SEN-09569
<b>EAN</b>	5904422352257

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