

SparkFun Humidity Sensor Breakout - HIH-4030

SEN-09569 ROHS ✓

★★★★☆ 1



© images are CC BY-NC-SA 3.0

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

Voltage applied to the supply pins should be within 4-5.8VDC, and optimally at 5V. The sensor will typically only consume about 200 μ A.

This product comes as shown in the picture, with the HIH-4030 soldered onto the breakout board. The pins of the 3-pin header are spaced by 0.1".

Features:

- Near linear, analog output
- 4-5.8VDC voltage supply
- All pins broken out to a 0.1" pitch header
- Laser trimmed interchangeability
- Low power design, typical current draw of only 200 μ A
- Enhanced accuracy
- Fast response time
- Stable, low drift performance

Dimensions: 0.75 x 0.30 " (19.05 x 7.62 mm)