Relative Humidity (RH) Calibration and Testing

Calibration Materials and Procedure

Sealable Container
Non-iodized Table Salt ~20g
Water ~2g

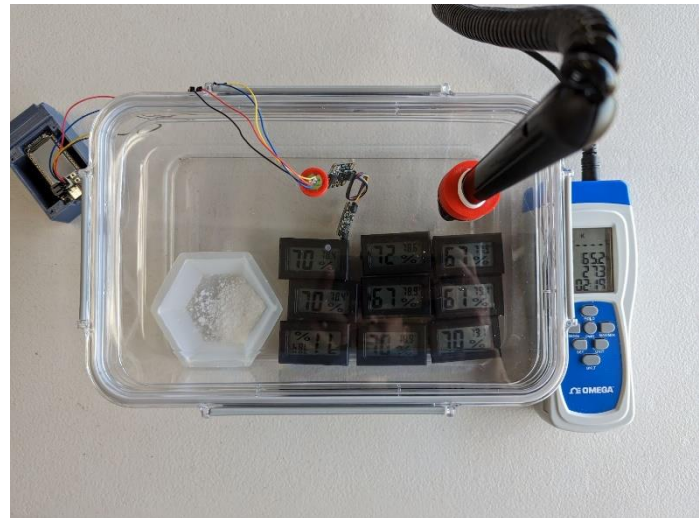→ @ 25°C (77°F) for 24 hours, the RH should be ~ 75.1%

Github page

RH Accuracy

Sensor	Accuracy at 68.9%
Mini Digital	1.4
Thermo Pro TP50	2.1
Vivosun T21	0.1
BME280*	0.7
SHT40*	1.2

*After calibration or correction.

Internet of Things (IOT) Options

Transmit data wirelessly and access online.

~$25 for SHT 40 RH / Temp sensor with Adafruit ESP32-S2 QT PY microcontroller, i2c cable, USB C cable, and microcontroller.

Free IOT access for several devices. Paid monthly for more devices and data storage.