DATE: 2017/5/5

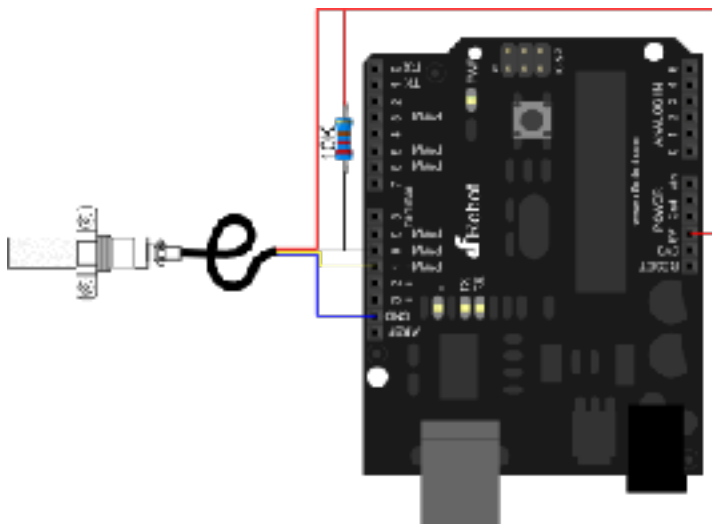Data Sheet of Digital Temperature & humidity sensor (With Stainless Steel Probe)
(SEN0148)

INTRODUCTION

This is an anti-rust, robust and precise SHT10 sensor, which can master enterprise-class and industrial-level applications. It can be applied in various fields: telepoint base stations, electronic control cabinet, production site, storehouse, machine rooms, greenhouses, animal farming, medicine stock and etc. Metallic package enables it to deal with the very dusty or other severe circumstance. the wall-hanging style makes it easy to install.

The metallic mesh covering the sensor adopts method of infiltering copper during sintering to enhance the temperature resistance, pressure resistance, and wearing resistance of it. The 2-wire serial interface and internal voltage regulation allows for easy and fast system integration. Moreover, it's Arduino compatible and we will supply the library for it.

 Caution: the line to the ground is blue instead of black.

Connection

SPECIFICATION

Power consumption: 0.15mW(Average)
Interface Type: Two-Wire interface(Digital)
Red wire - 5v
Blue wire - GND
Yellow wire - Clock wire
Black wire - Data wire
Humidity Ranger:0-100%RH
Temperature ranger: -10-80℃
Humidity accuracy:±5.0%RH
Temperature accuracy:±0.5℃
Size: 49mm x 14mm (1.93" x 0.55")
Cable Length: 90 cm

DOCUMENTS

wiki page
datasheet
sample code & library
sensirion home page

SHIPPING LIST

Digital Temperature and humidity sensor   x1

Zhiwei Robotics Corp.