SONBEST®

SLHT14

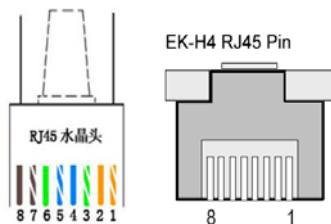## RJ45 Temperature and humidity sensor

Product Overview

SLHT14 is Sonbest's family of soil relative humidity and temperature sensors.The sensors have 'sht' series inside with RJ45 plug interface. The sensors integrate sensor elements plus signal processing on a tiny foot print and provide a fully calibrated digital output. A unique capacitive sensor element is used for measuring relative humidity while temperature is measured by a band-gap sensor.

Please refer to the user programmed instructions and Switzerland SHT original package provided by our company. Please use the power wiring and strictly follow the instructions. Remember to check the wiring is correct and then energized.

Parameters

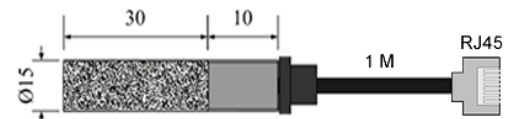| Parameter	SLHT14
Supply Voltage	2.4-5.5V
Temperature range	-40 +123.8℃
Measurement Accuracy	± 3 ℃ or ± 0.4 ℃ or ± 0.5 ℃
Measuring humidity range	0-100%RH
Measuring precision	± 1.8% or ± 3% or ± 4.5% RH
Power Consumption	80 μW (12 level measurement, 1 / s);

Sensor Interface

RJ45 wire color	Description
White-green	Ground
White-blue	Serial clock
green	Supply voltage
blue	Serial data

The sensor have a RJ45 plug interface ,It can use in Evaluation Kit EK-H4.

Type	Inside sensor chip
SLHT14-1	SHT10
SLHT14-2	SHT11
SLHT14-3	SHT15
SLHT14-4	SHT71
SLHT14-5	SHT75
SLHT14-6	SHT20
SLHT14-7	SHT21

Package dimensions

Unit: mm

Wire length is 1meter .