

LSN18C01

LORA SENSOR NODE

TEMPERATURE/HUMIDITY



Version:1.0

Date:2018/11/8

RD Manager

A handwritten signature in black ink, appearing to read 'Kevin', is written over the 'RD Manager' text.

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AccuIoT Lora Node

Features

- Long Range Wide Area IoT application
- Low power consumption
- 14 Bit Measurement Resolution
- LoRa Private protocol for closing system application
- IP67 waterproof case available
- Excellent Stability at High Humidity

Specification

Power

External Input 5 VDC Voltage (micro USB connector)

Mechanical

Physical Connection pluggable Connector,

External Antenna SMA, Omnidirectional, 3 dBi, 900~922MHz, Dimensions 123 mm

Option Enclosure IP67-rated, ABS

Weight 0.75 lbs (0.34 kg)

Technology

Wireless LoRa Private 868/915MHz

Environmental

Installation Indoor or outdoor

Operating Temperature -20 to 70 °C

Storage Temperature -40 to 70 °C

Operating Humidity 0 to 90% Non-condensing

RELATIVE HUMIDITY SENSOR

PARAMETER	TEST CONDITION(2)	Typical values
RHACC Accuracy	Refer to Figure 1 in Typical Characteristics	$\pm 2\% \text{RH}$
RHHYS Hysteresis	$10\% \leq \text{RH} \leq 70\%$	$\pm 1\% \text{RH}$
RHRT Response Time	t 63%	15 s
RHOR Operating Range	Non-condensing	0 -100 %RH
RHLTD Long Term Drift	$\pm 0.25\% \text{RH/yr}$	

TEMPERATURE SENSOR

PARAMETER	TEST CONDITION(2)	Typical values
TEMPACC Accuracy	$5^{\circ}\text{C} < \text{TA} < 60^{\circ}\text{C}$	$\pm 0.2 \pm 0.4^{\circ}\text{C}$
TEMPREP Repeatability	14 bit resolution	$\pm 0.1^{\circ}\text{C}$

Accuracy :

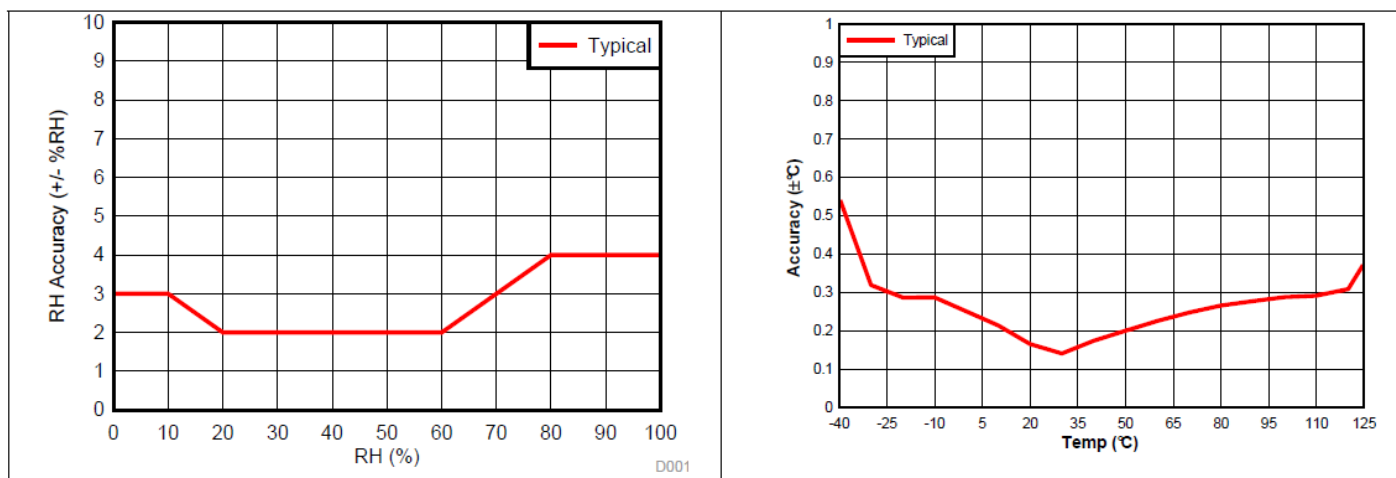


Fig. 1