**Manuals+** — User Manuals Simplified.



# ZPE-THS-U01 ZPE Temperature and Humidity USB Sensor Installation Guide

**Contents**

**ZPE-THS-U01 ZPE Temperature and Humidity USB Sensor**

**Product Specifications ZPE-THS-U01**
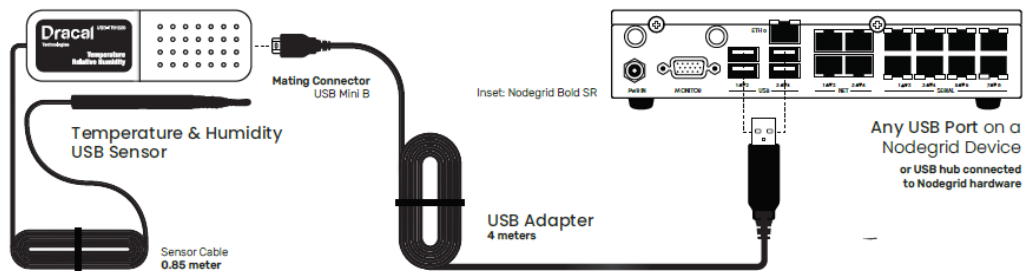
**HARDWARE**

- Cable Included. Detached.
  - USB Mini B to USB Type A. 3 Meters (10 feet)
- Channels Channel ID:
  - 00 (Temperature) Channel ID 01 (Relative Humidity)
- Temperature Probe operating range: -40°C to 70°C
  - Accuracy: ±0.3°C (-20°C to 70°C), max ±0.4°C
  - Resolution: 0.015°C (typical)
  - Repeatability: 0.06°C (typical)
- Relative Humidity

  Operating range: 0 to 100% RH

  - Accuracy: (at 25°C)
  - Typical: ±2% from 0 to 90% RH
  - Max: ±2.5% from 0 to 90% RH, ±4.5% from 90 to 100% RH
  - Resolution: 0.01% RH (typical)
  - Repeatability: 0.1% RH
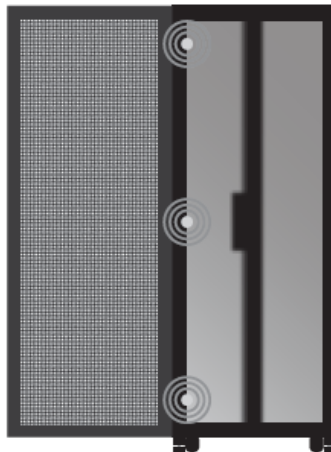- Connecting Wire 0.8—1.5 mm²

**DESCRIPTION**

Acquire environmental temperature and relative humidity readings. Easily integrate the compact probe in space-constrained locations, and get precise measurements from the factory-calibrated, linearized, and temperature-compensated digital sensor chip. The built-in particle
filter protects the components against dust, soot, and other particle
contaminants. Control and read status using CLI, Web, SNMP, or Restful APIs.

**Let's install your ZPE Temperature & Humidity USB Sensor.**

1. Connect the sensor to any available USB 2.0 or USB 3.0 port on Node grid Serial Consoles, Services Routers, or USB hubs connected to Node grid hardware.



2. Ensure minimum Nodegrid OS version meets sensor requirements. Upgrade Nodegrid OS to minimum version 5.4.1
3. For more information, visit the "Sensor Quick Install Guide" section at: **https://www.zpesystems.com/user-manuals/**
4. **OPTIONAL:** To configure data collection in ZPE Data Lake, refer to Appendix C in the latest ZPE Cloud Manual at: **https://www.zpesystems.com/user-manuals**/



We suggest placing this product here
*Rack cage may be a different model or size
September 8, 2022

## Documents / Resources

**ZPE ZPE-THS-U01 ZPE Temperature and Humidity USB Sensor** [pdf] Installation Guide
ZPE-THS-U01 ZPE Temperature and Humidity USB Sensor, ZPE-THS-U01 ZPE, Temperature and Humidity USB Sensor, Humidity USB Sensor, USB Sensor, Sensor

## References

- **User Manuals - ZPE Systems - Rethink the Way Networks are Built and Managed**