

Vibes Temperature



This temperature probe uses precision digital semi conductor temperature probe, to give optimum performance and precision. The performance of this is assured for a wide temperature range of -50 ... 110 °C

Vibes RhT



This Probe is meant for industry-proven quality and reliability in measurement of humidity and temperature sensors and constant accuracy Continuously, 24 x 7 for many years. The probe uses Capacitive humidity sensor with a bandgap temperature sensor, calibration data memory. The sensor covers a humidity measurement range of 0 to 100 %RH and a temperature measurement range of - 40 °C to 125 °C with a typical accuracy of $\pm 2\%$ RH and $\pm 0.2^\circ\text{C}$.

Application:

This device can be used in Ware House Monitoring, Food Grain Monitoring, Green House Monitoring, Automation in Food, Drug & Pharma Industries, Poultry Farming, Laboratory Plant, Chemical Plants, Engineering industries, HVAC, Civil Engineering, Weather Station and commercial applications.



Ware House Monitoring



Food Grain Monitoring



Food, Drug & Pharma Industries



Calibration & Experimentation Lab



Dairy, Poultry & Live Stock

Use Case:

- Data Logger
- IoT Device
- Sensors for SCADA

TECHNICAL SPECIFICATION

Vibes Air Quality	
Power Supply	USB Powered (Type - C) / 24V DC
Processor	32-bit 144 MHZ ARM Cortex M4F processor
Connectivity	Wired - RS485, Wi-Fi - HTTP / MQTT / any other
Antenna	Internal antenna with 2.5 DBI max gain
Operating temperature	-40°C ~ +85°C
Ingress Protection	IP 54
Sensors Specification	
Humidity	0% ~ 100% Rh
Temperature	-40°C ~ 125°C
Accuracy	$\pm 2\%$ Rh, $\pm 0.2^\circ\text{C}$
Response Time	$\tau 63\%$ 8 Sec

Vibes Configurator App

Data View

If Used on Wi-Fi

If Used on RS-485

Firmware & Communication Features:

- Transmit the value either wired and wirelessly through RS485 and HTTP/MQTT endpoint.
- Export the sensor data logs by clicking the Export Data button in the application and store it locally on the device.
- Firmware can be updated for HTTP/MQTT Endpoints on Azure /AWS or as required by OEM.
- Firmware can be also modified remotely via FOTA.
- Configurable through App to wireless network of your choice assigning network credentials requiring both username and password.
- Configure Endpoint Server Credentials through App
- Instantaneous values and Device performance can be monitored by App by force logging to the device.