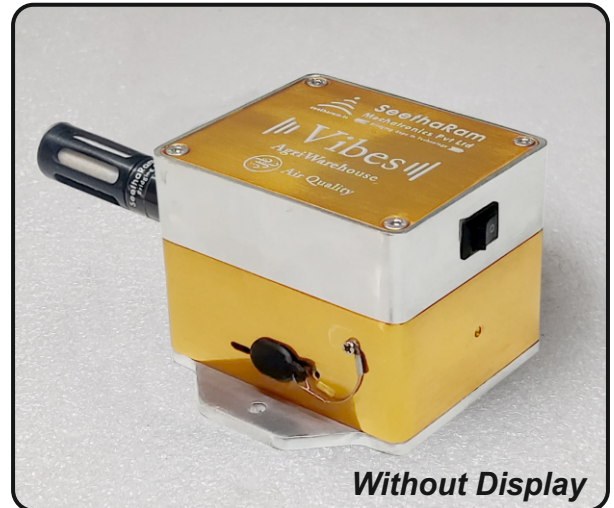


Vibes RhT is meant for industry-proven reliable measurement of ambient room conditions. Humidity and temperature parameters are the primary parameters to be measured constantly to ensure healthy environs. The probe uses Capacitive humidity sensor with a bandgap temperature sensor and covers a humidity measurement range of 0 to 100% RH & a Temperature measurement range of -40 °C to 125 °C with a typical accuracy of $\pm 2\%$ RH and $\pm 0.2^\circ\text{C}$.

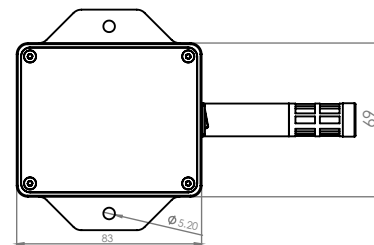
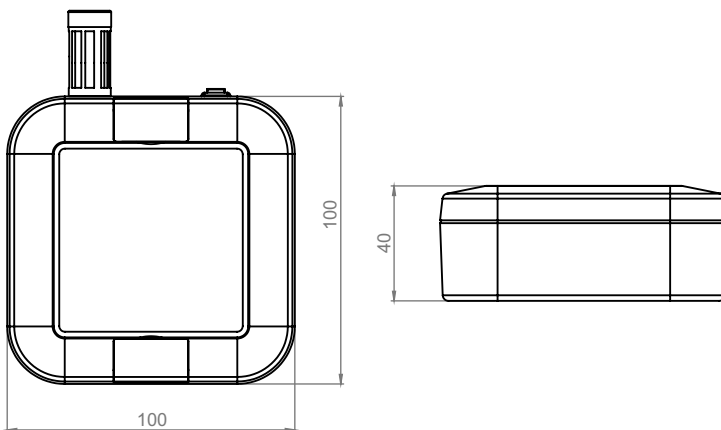
The device can be used in Ware House Monitoring, Food Grain Monitoring, Green House Monitoring, Automation in Food, Drug & Pharma Industries, Healthcare and Entertainment Sector, Poultry Farming, Laboratory Plant, Chemical Plants, Engineering industries and commercial applications. The device is compatible to SCADA, Industry 4.0 standards and IoT Scenario.



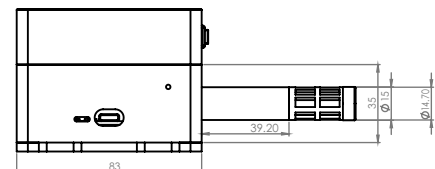
With Display



Without Display



Aluminium 6xxx grade with Anodised color finish



TECHNICAL SPECIFICATION

Vibes RhT	
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
Power Supply	USB Powered (Type - C)
Battery (Optional)	3.7V, 1150 mAH Lithium Ion Rechargeable Battery
Processor	32-bit 144 MHZ ARM Cortex M4F processor

Vibes RhT	
Connectivity Options	Wired - RS485, Wi-Fi - HTTP / MQTT / any other
Antenna	Internal antenna with 2.5 DBI max gain
Storage temperature	-40°C ~ +85°C
Ingress Protection	IP 54
Housing	
Option1: High grade Aluminium 6xxx grade with Anodised color finish	
Option 2: ABS Plastics UL94-HB	

Application:

These 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

Specifications are subject to change without Prior notice

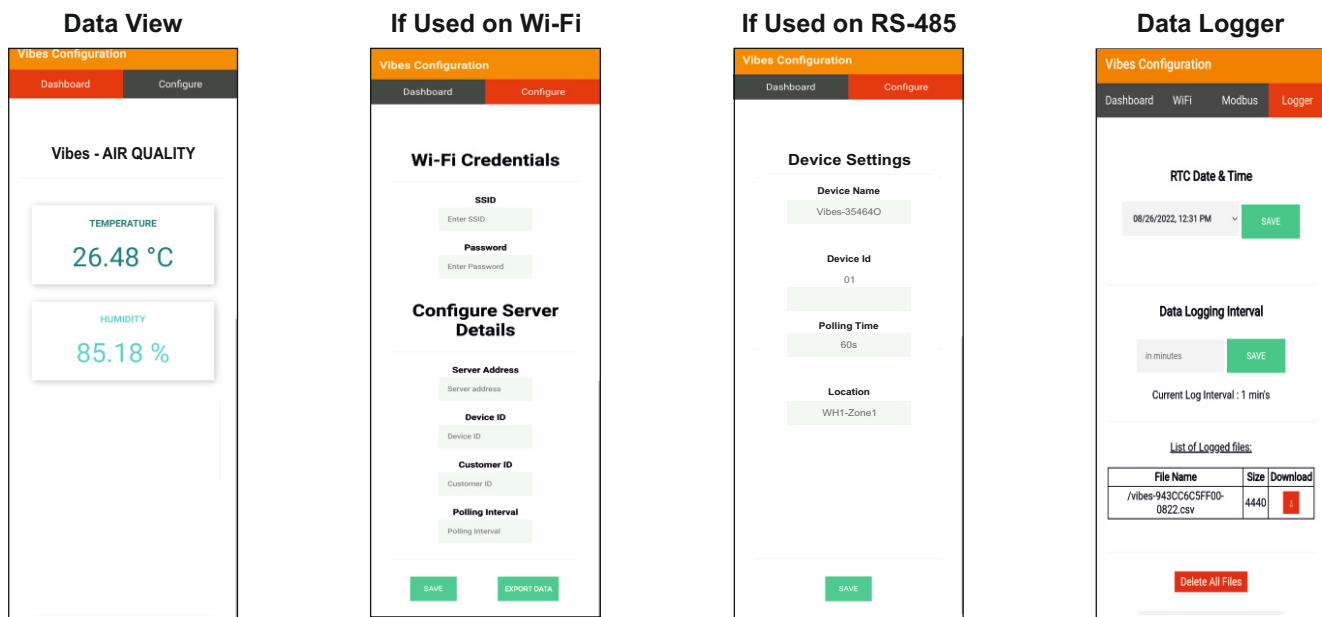
Use Case:

- Data Logger
- IoT Device
- Sensors for SCADA

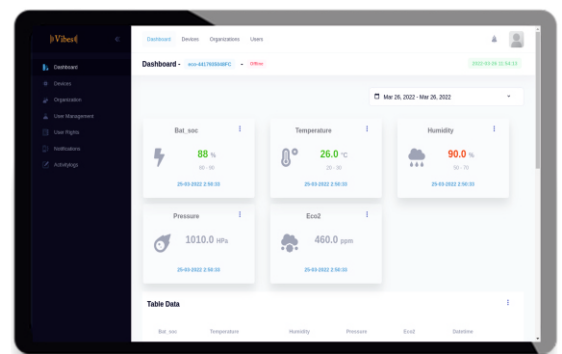
Firmware & Communication Features:

- Transmit the value either wired and wirelessly through RS485 and HTTP/MQTT endpoint.
- 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.

Vibes Configurator App



Views is a browser-based solution which enables a ready dashboard for all types of VIBES IoT Devices registered online.



Multi Protocol

Connect with both HTTP & MQTT Protocol devices



Multi-view Dashboard

Minimalistic & User friendly multi-view dashboard



Data Log

Data is secured in structured database; Download in multiple formats



Event / Push Notifications

Get instant alerts and notifications from connected devices.



User Rights Management

Easily assign new users and specific user rights



Activity Logs

Admin can view all applications activity logs.



Data Set Points

Set Alarm set points for individual parameters of device.