Vibes Agriwarehouse - Air Quality

FEATURES

This Probe is meant for industry-proven quality and reliability in measurement of humidity, temperature, eCo2 & Pressure parameters with accuracy, continuously, 24 x 7 for many years.

TECHNICAL SPECIFICATION

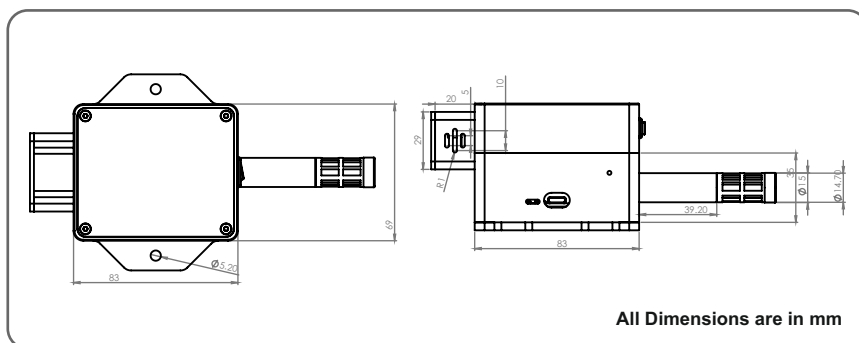| Vibes Air Quality	
Power Supply	USB Powered (Type - C) / 24V DC
Processor	32-bit 144 MHZ ARM Cortex M4F processor
Connectivity	Wired - RS485, Wi-Fi - HTTP / MQTT / any other
Antenna	Internal antenna with 2.5 DBI max gain
Operating temperature	-40°C ~ +85°C
Ingress Protection	IP 54
Sensors Specification	
Humidity	0% ~ 100% Rh
Temperature	-40°C ~ 125°C
Accuracy	±2% Rh, ±0.2%°C
Response Time	τ63% 8 Sec
Indoor Air Quality Index (IAQ)	400 ~v 8192 ppm
Pressure Sensor Range	300 ~ 1200 hPa

Humidity	Condition	Value	Unit
Accuracy tolerance	Typ.	±2.0	%RH
	Max.	Below Graph	%RH
Repeatability	-	0.1	%RH
Resolution	-	0.01	%RH
Hysteresis	-	±1	%RH
Specified range	extended	0 to 100	%RH
Response time	τ63%	8	S
Long-term drift	Typ.	<0.25	%RH/y

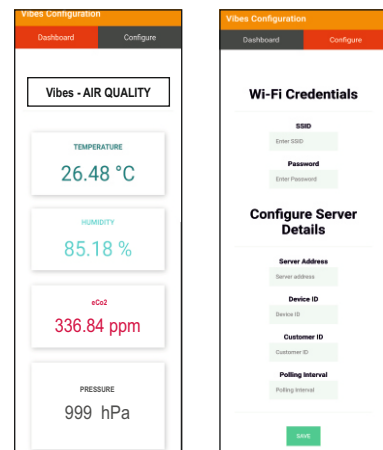| Temperature	Condition	Value	Unit
Accuracy tolerance	Typ.	±0.2	°C
	Max.	Below Graph	°C
Repeatability	-	0.1	°C
Resolution	-	0.01	°C
Specified range	-	−40 to +125	°C
Response time	τ63%	<5 to 30	s
Long-term drift	Typ.	<0.02	°C/y

Firmware & Wireless 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. aws Azure
- 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.

DIMENSION DETAILS

All Dimensions are in mm

Vibes Configurator App

Specifications are subject to change without Prior notice

Bridging Gaps