Smart Wireless

CARBON DIOXIDE (CO$_2$) Monitor

Smart Wireless Carbondioxide (Indoor Air Quality) Monitor accurately measures Temperature, Humidity and Carbon Dioxide with a provision of internal sensor, and network capabilities through LAN,WAN. This Smart Monitor helps the user to receive the alerts remotely by the way of email in case of set point violation The Dashboard feature helps the user to view/download/analyse real-time data of measured parameters with date and time stamp and also in graphical or tabular representation.

Features:

- Standard Carbon Dioxide 0 to 5000 ppm ; Temperature Range 0 to 50 Deg.C; Relative Humidity 0 to 100% Rh
- Specially designed Humidity sensor to work in condensed Environment
- Password Protected Admin level access: meets security compliance
- Bright and Large Backlight display for clear view on the go
- Real time Dashboard view of single/multiple Instruments data in tabular or graphical representation, can be accessed in PC/TAB/MOBILES.
- Standard or Customized Dashboard Interface to meet user specific requirement
- QC/QA certified to meet standard compliance for all kind of critical temperature–maintained environments
- Factory Calibrated device; Calibration certificate provided alongwith traceable to National Standards (NABL Accredited)
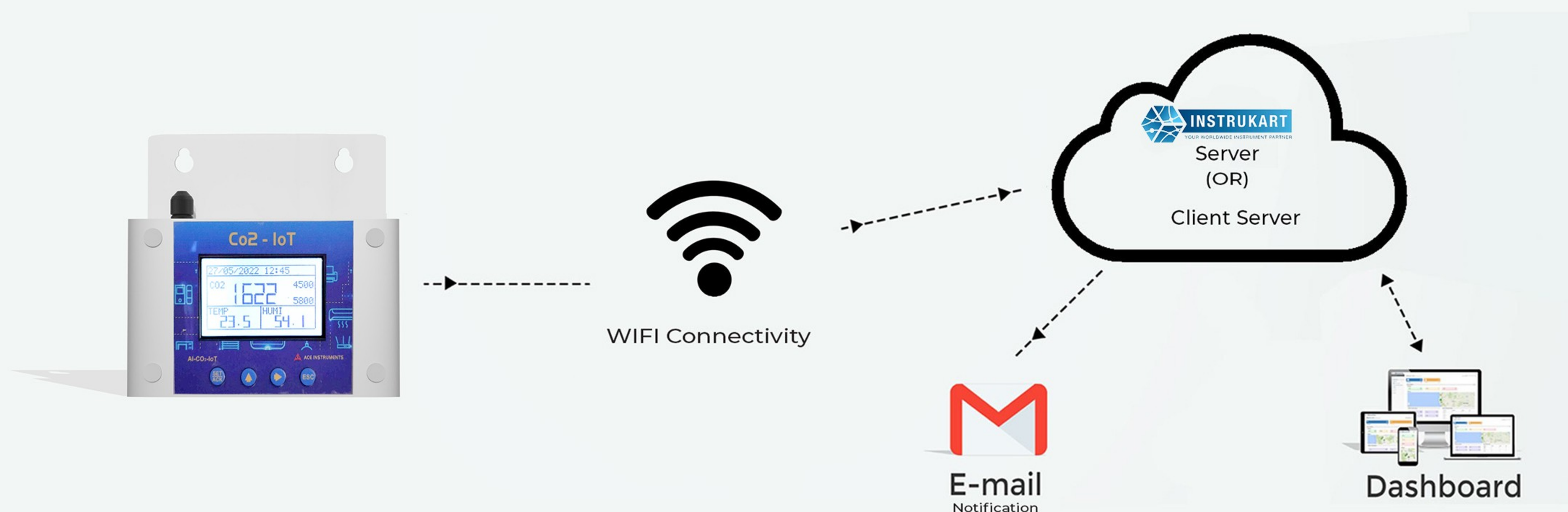
Server Room

Laboratory

Warehouse

Greenhouse

Pharmaceutical

Email/Cloud Realtime Alert:

Email Alert : Email Alert Notification when parameter value is out of pre–set threshold. Standard Provision for registering multiple (upto 10) Email IDs (Contact store for customisation)

Cloud Function : Web Based Interface (Mobile/PC/Tab) to view real time data transmitted

WIFI Connectivity

Server (OR) Client Server

E-mail
Notification

Dashboard

Take the next step and get in contact with us today at **info@Instrukart.com**

Technical Specifications

Model 1	AI-CO2-IoT-1-WiFi (12 Months Hosting)
Model 2	AI-CO2-IoT-2-WiFi (IK Hosting)
Model 3	AI-CO2-IoT-3-WiFi (User End Hosting)
Measuring Range	Temp: 0 to 50.0 Deg.C, Humi: 0 to 100% RH Optional Range, Carbon Dioxide: 0 to 5000 ppm
Accuracy	Temp: +/- 0.5 Deg.C, Humi:+/- 2%RH, CO2: ±3% on full scale
Resolution	Temp: 0.1°C, Humi :0.1 %RH, CO2: 1 PPM
Display	128 X 64 Dot Matrix Graphical Large LCD Display with White Backlight
Sensor Type	1.Polymer sensing for Temperature 2.Capacity polymer sensing for Relative humidity 3.NDIR Sensor for CO2 measurement
Buzzer	Standard In-Built Buzzer for Alarm. External Buzzer Option also available
Acknowledgement Key	Provided for user to acknowledge the alarm manually, thus avoiding continuous buzzer alarm sound & user attention
Power Supply	12 VDC Input with minimum of 2 amp current rating. Adaptor provided alongwith
Enclosure	Wall mounting type ABS Plastic Enclosure with Wall Bracket (IP65 splash proof)
Communication	Wifi Based Module, **Note : (Internet Connectivity (Wi-fi configuration) to your scope)**

Cloud Space Ownership	Please consult Store
	   Option 1 : Hosting at Instrukart server (min 1 Year Subscription)
	   Option 2 : Hosting at Customer/End User Server

Web Interface Demo	Please consult Store for web link and credentials.
Operating Temperature	Safe operating temperature of instrument is 0 to 50°C
Warranty	1 Year Manufacturer Warranty
Calibration	Will be provided at no extra cost and valid for 12 months, traceable to national standards (NABL)
Dimensions	120 X 80 X 60 mm (H x W x D)
Manufacturer	Ace Instruments