# Blood Bank Temperature Alarm Monitor

Blood Bank Temperature Monitor accurately measure the temperature with a provision of external sensors to place inside the room while the Indicator can be mounted outside the room. The temperature range can be customized other than the standard range of -30 to 50 Deg C for most standard areas.

GSM

IoT

IoT Alert

13/12/2021   16:55

28.5°C   020.0
040.0

AI-TAM1-IoT
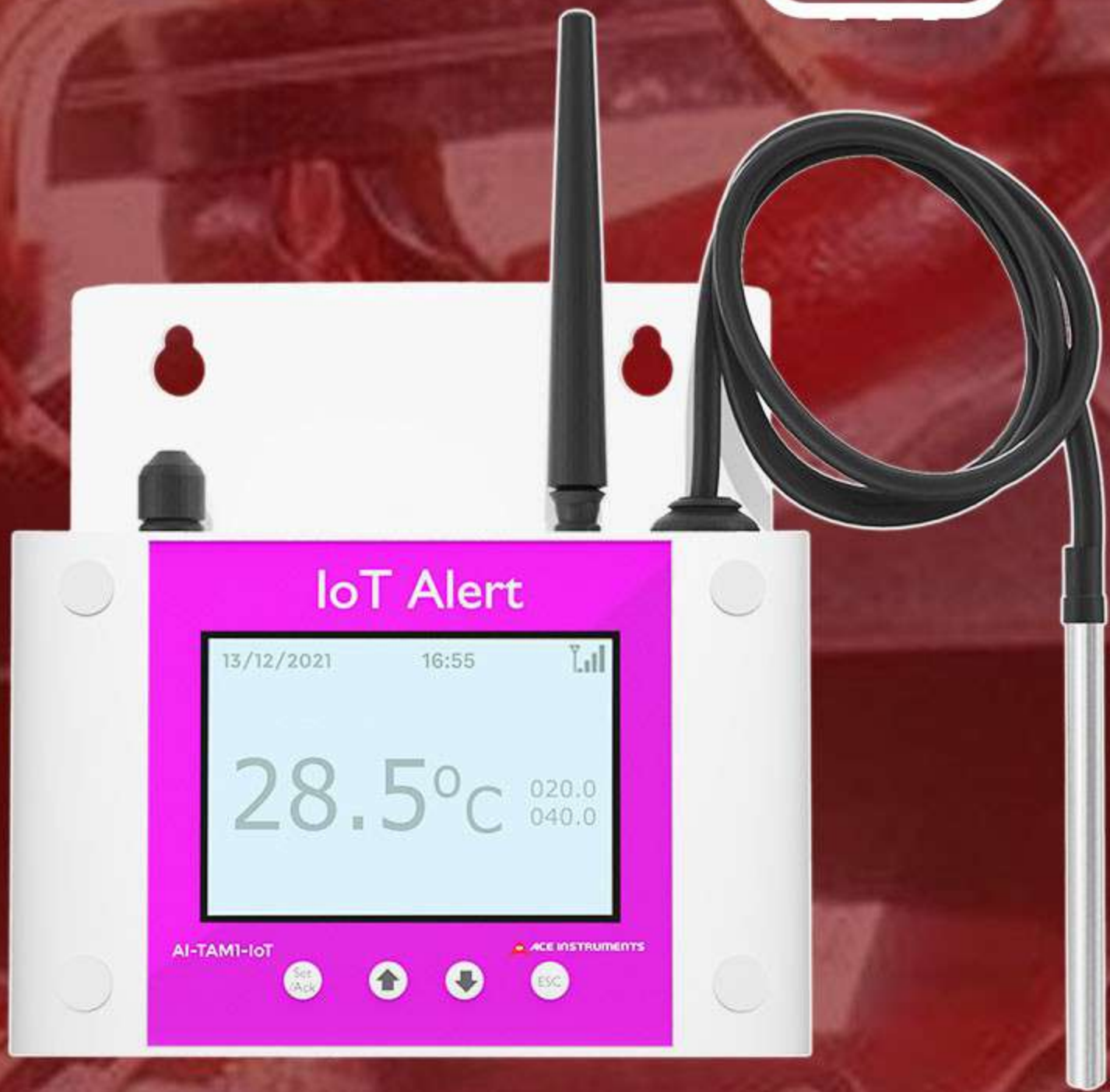
Features:

- Fast and accurate RTD stainless steel sensor for Temperature Measurment
- Standard -30 to 50 Deg.C Temperature Range.
- GSM based communication model for ease to install at remote locations
- 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 along with traceable to National Standards (NABL Accredited)

Server Room

Laboratory

Greenhouse

Pharmaceutical

SMS/Email/Cloud Realtime Alert:

SMS Alert

Periodic SMS	: SMS at regular time intervals programmable by user
Alert SMS	: SMS on Temperature exceeding set limits (Low & High)
On-Demand SMS	: SMS on request from registered mobile numbers (SMS Text: ACEIN00) Standard provision for registering upto 5 mobile numbers (Contact store for customisation)
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

Technical Specifications

Model 1	AI-TAM1-SMS (SMS only)
Model 2	AI-TAM1-IoT1-1 (with Hosting) Features: SMS + Email + Cloud With Hosting at Instrukart's Server.
Model 3	AI-TAM1-IoT1-2 (End User Hosting) Features: SMS + E-mail + Cloud at End User's Server.
Measuring Range	Temp: -30 to 50.0 Deg.C, Optional Range.
Accuracy	+/- 0.5 Deg.C.
Resolution	0.1 Deg.C.
Display	128 X 64 Dot Matrix Graphical Large LCD Display with White Backlight .
Sensor Type	Stainless Steel RTD Sensor for Temperature.
Cable Length	Connecting Cable , pre-wired 3 mtrs. Extension between display monitor & sensor.
Additional Cable Length	Available at extra cost, maximum feasibility upto 10 mtrs (Sensor to Display Unit).
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 (IP 65 splash proof).
Communication	GSM GPRS module , Standard SIM Slot available: 25 X 15 mm. **Note:** SIM Card, SMS Pack and Data pack to end user scope.
GSM Bandwidth	Support for GSM 850 / 900 / 1800 / 1900 MHz(used in most parts of the world). Please follow the link for more details: https://en.wikipedia.org/wiki/GSM_frequency_bands
Cloud Space Ownership	Please consult Store Option 1 : Hosting at Customer/End User Server. Option 2 : Hosting at Instrukart server (min 1 Year Subscription)
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

WIRELESS TEMPERATURE AND HUMIDITY MONITOR

- **Dashboard**
- **Settings**
- **User Profile**

Room No:01

	Temp (°C)		Signal Strength
🌡️	**27.8** (18-30)	📶	**4** (1-5)

Room No:02

	Temp (°C)		Signal Strength
🌡️	**30.5** (18-30)	📶	**4** (1-5)

Room No:03

	Temp (°C)		Signal Strength
🌡️	**18.8** (18-30)	📶	**3** (1-5)
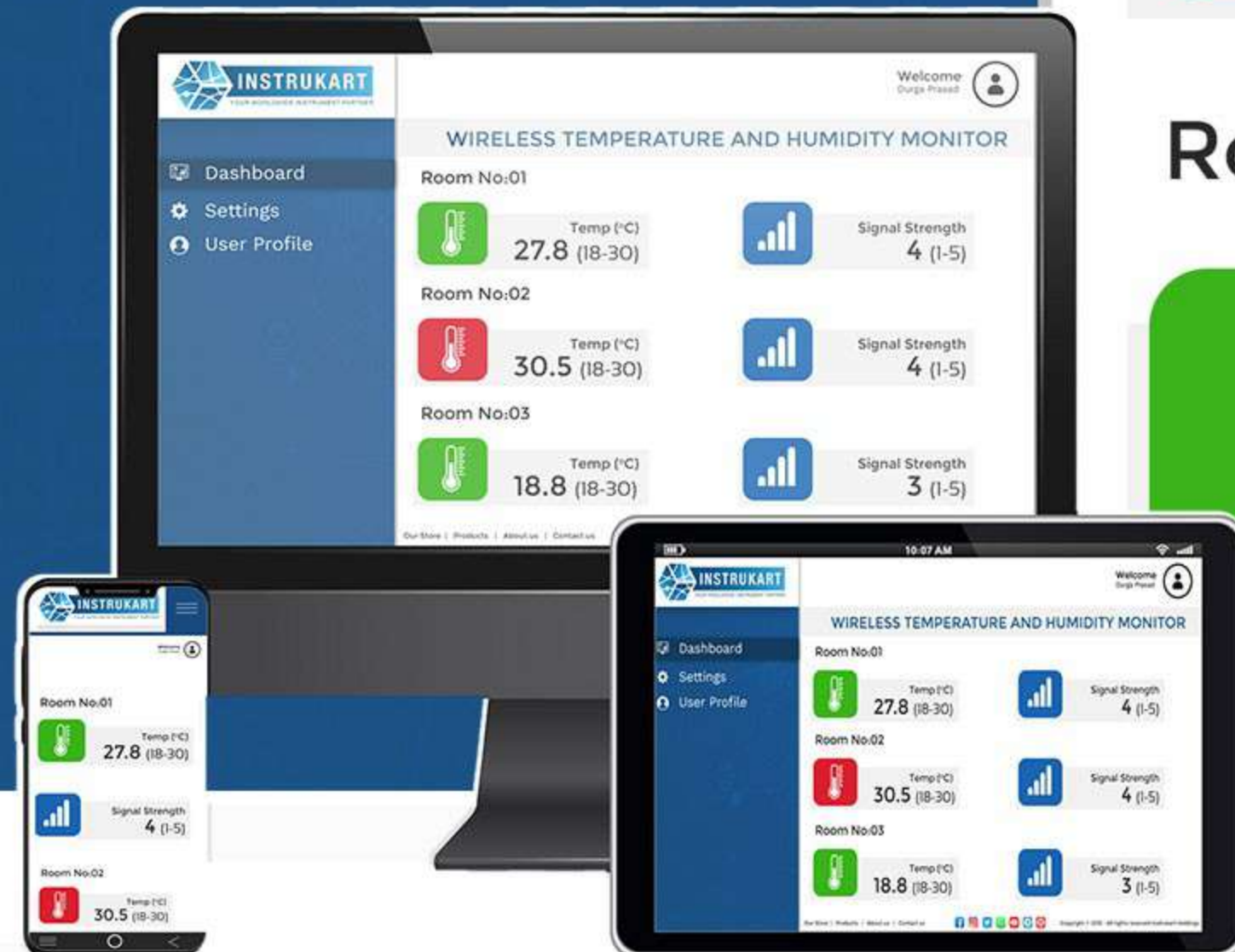
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SMS Alert

INSTRUKART SERVER
(or)
Client SERVER

IoT Alert
13/12/2021   16:55
28.5°C 020.0
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AI-TAMI-IoT

Wireless Temperature Monitor   GSM Tower   E-mail   Dashboard

Product Videos: https://youtu.be/qOzO1DYIc2w
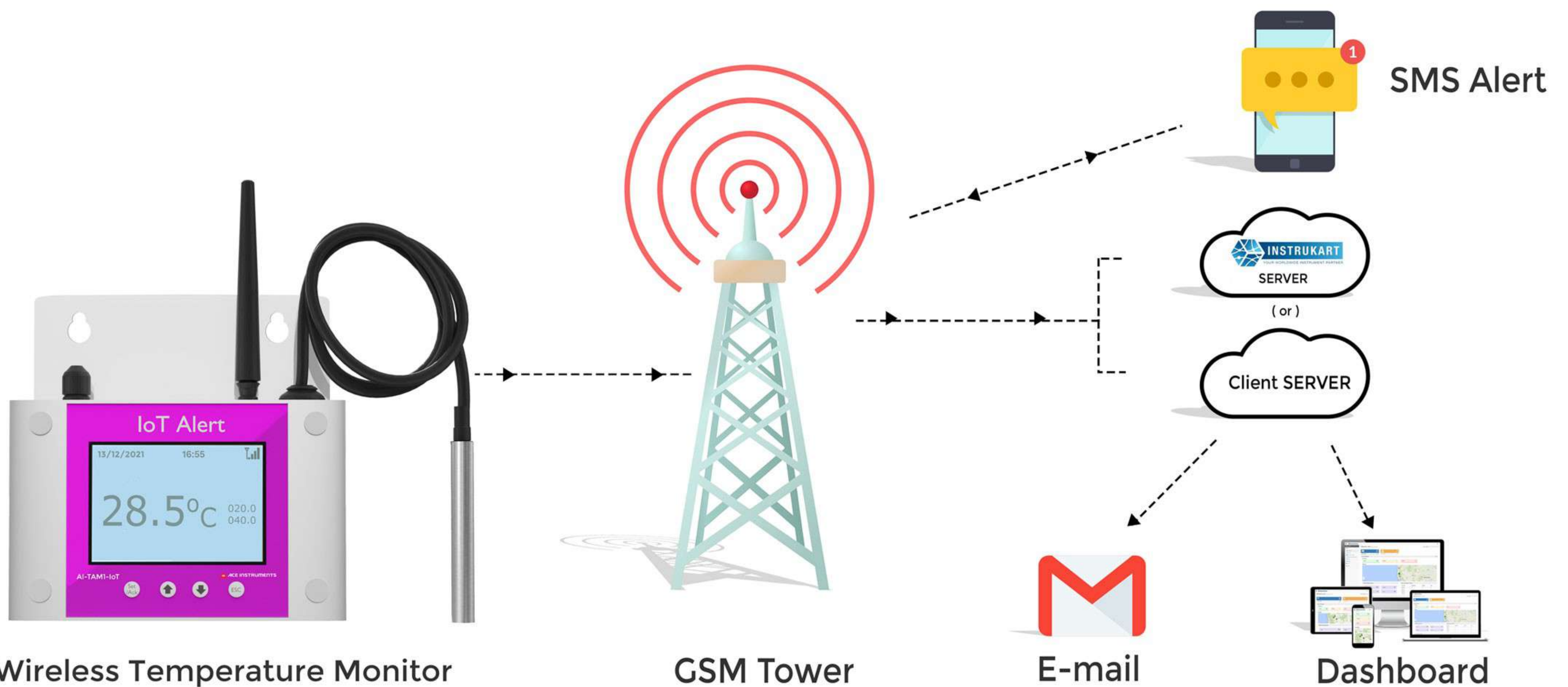
Other models available: Wireless GSM/WiFi/LAN based Temperature Monitor(Standalone),
Note: Provision for multiple sensors also available and data can be presented over single Dashboard

Clean Rooms | Pharma | Hospital | HVAC | BulkDrugs | Chemicals | Heavy Machinery
Hydraulics & Vacuum Industry | Green House | Server Room | Confined Space | Cold Storage

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