

MODEL: VIYAT-X



Product Description:

Real-time weather monitoring is critical for businesses, organizations, and individuals that rely on this information for planning their operations. The real-time data is also vital for improving the accuracy and reliability of weather and micro-climate forecasts. Weather Bureau grade Automatic weather stations are available to perform this job however they are very expensive. Some imported weather stations are available in India, but lack the requisite accuracy and are not durable.

WeatherCast Solutions Private Limited is pleased to introduce an affordable IoT based automatic weather station, **VIYAT-X**, that can record six parameters, namely, temperature (in °C), pressure (in hPa), relative humidity (in %), wind speed (in kmph), wind direction (8 directions) and rainfall (in mm). The data is directly sent to cloud, from where the live data could be accessed on any screen (laptop/desktop/mobile/notepad) with an active internet connection. Furthermore, the historical data could be retrieved for a specific period. The cloud service is free for

accessing up to 48 hours of data. Additional charges applicable to access data beyond this limit based on the subscription model. The data update rate is 15 minutes. Some other parameters like air quality, soil moisture, and solar irradiance can also be embedded in to the system on demand.

Key features:

- Capability to measure six parameters – temperature, pressure, humidity, wind speed, wind direction, and rainfall. All parameters are tested against a primary standard.
- IoT connectivity and cloud server
- 122 mm digital tipping bucket
- Microcontroller based design for accurate measurement
- Solar PV for battery charging with autonomy up to 3 days
- No additional indoor unit. Data can be viewed on any device with internet connectivity.
- Easy installation and low maintenance
- Hyperlocal forecast and advisory available on subscription basis for additional charge *
- 1 year warranty

Standard model technical specifications:

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|---------------------|---|
| • Temperature | : Digital, Range -10°C to +85°C, Accuracy = $\pm 0.5^{\circ}\text{C}$ |
| • Pressure | : Digital, Range 700 hPa to 1200 hPa, Accuracy = $\pm 5\%$ |
| • Relative Humidity | : Digital, Range 0 to 100%, Accuracy = $\pm 5\%$ |
| • Wind Speed | : Cup type anemometer, Range 0 to 102 kmph, Accuracy = $\pm 5\%$ |
| • Wind Direction | : Wind vane type, 8 directions (E, W, N, S, NE, SE, SW, NW) |
| • Rainfall | : Range: 0 mm to 10,000 mm, Accuracy: $\pm 5\%$ |
| • Data transmission | : via IoT on to AWS cloud platform |
| • Data update | : Every 15 mins |
| • Power Source | : Lithium ion battery pack and Solar PV module |
| • Solar Autonomy | : 3 to 4 days |
| • Mounting | : Tripod Stand or Metal rod (<u>Not included</u>) |
| • Warranty | : 1 Year |

*Hyperscale forecasting services for any location available for additional charge on subscription basis.



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Terms and Conditions:

1. Once installed, WeatherCast Solutions Pvt Ltd is NOT liable for any loss, damage, theft, tampering, and vandalism of the device.
2. The warranty will be void if the device is opened or dismantled. Damages due to Acts of God and natural disasters are not covered under warranty.
3. Maintenance of the device is the responsibility of the client.
4. WeatherCast has full ownership on the data being recorded by the device and the data may be used for any purpose deemed fit. This includes, but not limited to, selling the data to a third party, using the data for visualization, etc.
5. Annual Maintenance Charges (AMC) would be additional.
6. Personal information collected from the client will be kept confidential.
7. WeatherCast reserves the right to refuse service if there is any violation.
8. Device once sold is non-returnable and non-refundable.



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