

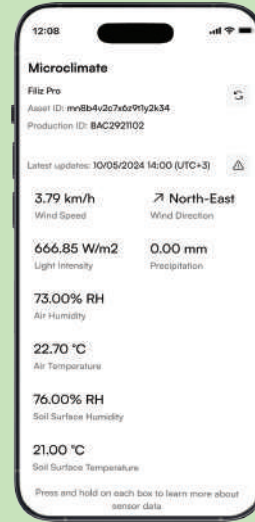


# AGRICULTURAL SENSOR STATION



Agricultural Sensor Station is a next-generation IoT sensor station that monitors soil and microclimatic conditions to optimize irrigation and protect crops from environmental risks. With real-time measurements above and below ground, it helps you prevent over-irrigation and plant water stress, while reducing costs and improving productivity.

Its sleek, cable-free design makes it easy to install, portable across seasons, and ready to use immediately with pre-calibrated sensors and an integrated long-life battery. Agricultural Sensor Station connects seamlessly with the Doktor App, giving you access to actionable insights, warnings, and recommendations from anywhere.



## Enhanced Device Experience

01

- Sleek, wireless, and antenna-free design for easy installation.
- Pre-calibrated and ready to use immediately—no setup required.
- Integrated battery that ensures at least 3 years of operation.
- Advanced signal reception able to send data even with minimal cellular coverage.

## Soil and Air Measurements

02

- Multi-level monitoring with both soil and air sensors in a single device.
- **Soil:** Moisture and temperature at 3 depths.
- **Air:** Rainfall, wind speed & direction, and light intensity at top level. Temperature and humidity at two different levels.

03

## Irrigation Optimization & Benefits

- Real-time, precise soil data ensures accurate irrigation scheduling.
- Helps prevent over-irrigation and plant water stress.
- Increases productivity while reducing costs through smarter resource use.

04

## Risk Management & Protection

- Early warnings for frost risk, low soil moisture, and high wind speed.
- Topple warning for consistent and hassle-free use in the field.
- Theft protection for added security.





	<b>MINI</b>	<b>STANDARD</b>	<b>PRO</b>
Field Installation	Easy Installation	Easy Installation	Easy Installation
Setup & Connection	Not Required	Not Required	Not Required
Calibration	Pre-Calibrated	Pre-Calibrated	Pre-Calibrated
Air Temperature	-	+	+
Soil Surface Temperature	+	+	+
Relative Humidity	One Level	Two Levels	Two Levels
Soil Temperature & Moisture	Three Levels	Three Levels	Three Levels
Wind Speed & Direction	-	-	+
Light Intensity	-	-	+
Precipitation	-	-	+
Irrigation Optimization	+	+	+
Crop Stress Alerts	+	+	+
Evapotranspiration	+	+	+
Dew Point	+	+	+
Leaf Wetness Duration	+	+	+
Chilling Hours	+	+	+
Fungal Disease Risk Alerts	+	+	+
Suitable Spraying Times	+	+	+
Extreme Weather Alerts	-	-	+
GPS Location	+	+	+
Topple Warning	+	+	+
Network Connection	2G & NB IoT/ LoRa	2G & NB IoT/ LoRa	2G & NB IoT/ LoRa
Power	Lithium Metal Battery & 2 Years Lifetime	Lithium Metal Battery & 2 Years Lifetime	Lithium Metal Battery & 2 Years Lifetime
Data Access & Management	Doktar App Web & Mobile	Doktar App Web & Mobile	Doktar App Web & Mobile