



BS1 Base Station

The brains of the Smart Farm system lie in this powerful single board computer that provides continuous communications with your entire farm for more intelligent irrigation, greater efficiency and better crops.

Stay connected with your farm - from anywhere

The Smart Farm Base Station communicates with all of the pump, moisture and water level monitoring stations on the farm. It collects data from each device and can send pump control commands to pump controllers from either a desktop or mobile app.

Data you can count on

This Base Station will store an entire growing season's worth of field-monitored data and event-triggered data (such as an equipment fault or maintenance event). Reports can easily be generated and printed from this database, including the water usage information a farmer needs to submit to government monitoring agencies.

Greater visibility in your hands

The BS1 Base Station works with Smart Farm's desktop program and our mobile apps for Apple iOS and most Android devices so you can see everything on the farm while you are on it - or while away. Easily check pump conditions, see the operational status of all Smart Farm-monitored devices, and get alerts when things change.

We deliver the information you need to grow.

BS1 Base Station

PN: BS1



KEY FEATURES

- ◆ Range: 4 to 7 miles, based on antenna height and terrain
- ◆ In-field sensor and pump monitoring: the critical information you need to know about field and environmental conditions, to make the best decisions about your irrigation schedules.
 - Pump operational and maintenance status
 - Soil moisture and rice field water levels
 - Weather station monitoring
 - Rain gauge accumulations
 - Anemometer (wind speed and direction)
 - Ambient temperature and solar radiation
 - Heat index and dew point
- ◆ BS-1 also includes software which provides:
 - Pump automation options
 - Preventive maintenance schedule
 - Notifications and alerts
- ◆ Front panel power, Ethernet traffic and farm link status indicators
- ◆ Network Ethernet port and Wi-Fi compatible

SPECIFICATIONS

Frequency: 900MHZ, 1W spread spectrum radio with AES-128 encryption

RF Input Connector: SMA

Approvals / Ratings: UL approved 12VDC, 5A plug in power supply included

FCC Part B, Class A Compliant

Operating temperature range: 32° F to 125° F

Power consumption: 15W

Dimensions: 5.5" W x 1.6" H x 5.2" D



BS1 Base Station is the brains of the Smart Farm system for intelligent farming and greater efficiency.



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