

# SapIP Micro-Climate System



## Features

- SapIP Network for Micro-climate
- AgriSensors.NET data graphics
- Access raw and calculated data
  - Auto-storage
  - Graphics
- High accuracy and high resolution
- 30,000 records saved to flash memory
- Compact Size 7 cm x 30 cm
- Easily mounted with clamp provided



## SapIP-MICRO System Specifications

- SapIP Wireless Logger Node
- Add to existing SapIP Wireless System
- RH & Air Temperature, with Radiation Shield
- Pre-configured before shipping

## SapIP-MICRO2 System Specifications

- SapIP Wireless Logger Node
- Add to existing SapIP Wireless System
- Calculate ETp at your location
- RH & Air Temperature, with Radiation Shield
- Pyranometer w/ Leveling Base
- Tipping Bucket Rain Gauge
- Wind Speed & Direction

## Sensor Specifications

### Pyranometer

Spectral Range: 360 to 1120 nanometers

Absolute Accuracy:  $\pm 5\%$

Operating Temperature:  $-40^{\circ}$  to  $70^{\circ}$  C; 0 to 100 % relative humidity

### RH

Range: 0 to 100% RH

Accuracy:  $\pm 3\%$  at 0-90% RH

$\pm 5\%$  at 90-100% RH

( $20^{\circ}$  C,  $68^{\circ}$  F)

### Air Temperature

Range:  $-40^{\circ}$  to  $+60^{\circ}$  C

Accuracy:  $\pm 0.6^{\circ}$  C

### Rain Gauge - Tipping Bucket

Magnetic reed Switch

Housing Material: UV Stabilized ABS Plastic

Rainfall Accuracy:  $\pm 4\%$ ,  $\pm 1$  rainfall count

0-50 mm/hr

(0.01" and 2.00" per hour)

Resolution: 0.25 mm (0.01")

### Wind Speed

Range: 0 to 50 m/s (112 mph)

Accuracy:  $\pm 0.5$  m/s (1.1 mph)

### Wind Direction

Mechanical Range: 0-360 degrees

Electrical Range: 0-352, (8 degrees open)

Accuracy:  $\pm 5$  degrees

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