The Dynamax IRT SALH data logger system has a sophisticated data logger in a weatherproof enclosure which can be linked to repeaters to take data from up to (25) IRT sensors. Up to one million records are stored in memory and data can be downloaded using WiFi from up to 50-100 ft away. Data can also be set up with web access.

Software included gives you IRT commands and network control. You can control the system, collect data, and save files which can then be imported into spreadsheets for Crop Water Stress calculations. This system is excellent for use when fields to be monitored are a long distance away.

The IRT wireless infrared temperature system is the latest development in IR leaf temperature sensing for use in irrigation scheduling and plant stress detection. This new system allows for IRT nodes to be distributed throughout a field, and data collected with a single data logger. Plant stress models like CWSI or iDANS are then used to determine if, and when your crops need irrigation. Colored charts indicate when irrigation is required.

Dynamax IRT sensors for IR leaf temperature are available with wireless or analog outputs. The sensor reads leaf temperature ± 0.5 C, and has a Field of View of 20 degrees. The sensor itself is included in a weatherproof IRT node, with mounts and a rechargeable battery.
## Specifications

<table>
<thead>
<tr>
<th>Power</th>
<th>Requires 12 VDC at 300 mA max, or 110 VAC with optional AC/DC converter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensors</td>
<td>Up to 25 IRT Sensors</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>−20° to + 50° C</td>
</tr>
<tr>
<td>Resolution</td>
<td>.01° C</td>
</tr>
<tr>
<td>Range</td>
<td>100 ft. line of sight, Zigbee Wireless Router may be used to extend the range</td>
</tr>
<tr>
<td>Wifi Range</td>
<td>100 ft line of sight to users cell phone</td>
</tr>
<tr>
<td>Storage</td>
<td>Up to a million readings</td>
</tr>
<tr>
<td>Logging Interval</td>
<td>1 to 60 min</td>
</tr>
</tbody>
</table>

### Ordering Information

**SPIP-SALH**  
Stress Accumulator Logger

**MSX30R**  
30 Watt solar panel with mounts and a 12 V regulator

**SPIP-REP24-ZB**  
SapiP Router Relay Module, 2.4 GHz

**SPIP-ACC24-EW**  
External Waterproof Antenna Kit, 2.4 GHz (500 m)

**SPIP-IRT**  
SapiP Wireless IR Leaf Temp Node

**SPIP-IRTANT24**  
2.4 GHz Antenna, Half Wave, 4” (50 m)

**MS2MB**  
Mounting Bracket for 2W Solar Panel

**MSX2**  
Solar Panel, 2 Watts, No Regulator, for IRT

**SPIP-RHT**  
RH and temp node with shield