

Distributed Sensing (Remote Sensors)

Features:

- Expand your Weather Monitoring Wirelessly
- One Base station at the Weather Maestro (DS80)
- Four Remote Units (DS70 for standard sensors & DS90 for high power sensors)
- 2 Sensors per Remote Unit
- Plus 1 x Remote Soil Moisture Multiprobe (DS90 required)
- Remote Units are Solar Powered
- Remote units up to 7km Line of Sight from Main system
- Multiple remote sensors all feed to your primary datalogger
- Save on Hardware and Communications costs
- Monitor your whole property at key points
- Australian Made & Supported

Applications

- Rainfall distribution across your property
- Wind speed warnings across your site
- Water levels at multiple storages
- Crop Located Soil Moisture
- Remote Temperature & Humidity for frost warnings
- Add extra sensors without adding additional loggers or modems.

Remote sensors save data in the Weather Maestro in the same format as the cabled sensors.

Once the data is in your logger it will upload to your WeatherMation LIVE site. Once in WeatherMation LIVE you can automatically trigger alerts based on any of your weather sensors to be sent via SMS or Email to your nominated users.



DS70 Remote Distributed Sensing Unit With RG50 Rain Gauge for remote rainfall monitoring

Mounting

The Remote Distributed Sensor package includes a 65mm SHS Aluminium Mounting Post with a 3mm wall, powder coated. It includes a Solar Panel bracket & Sensor attachment bracket.

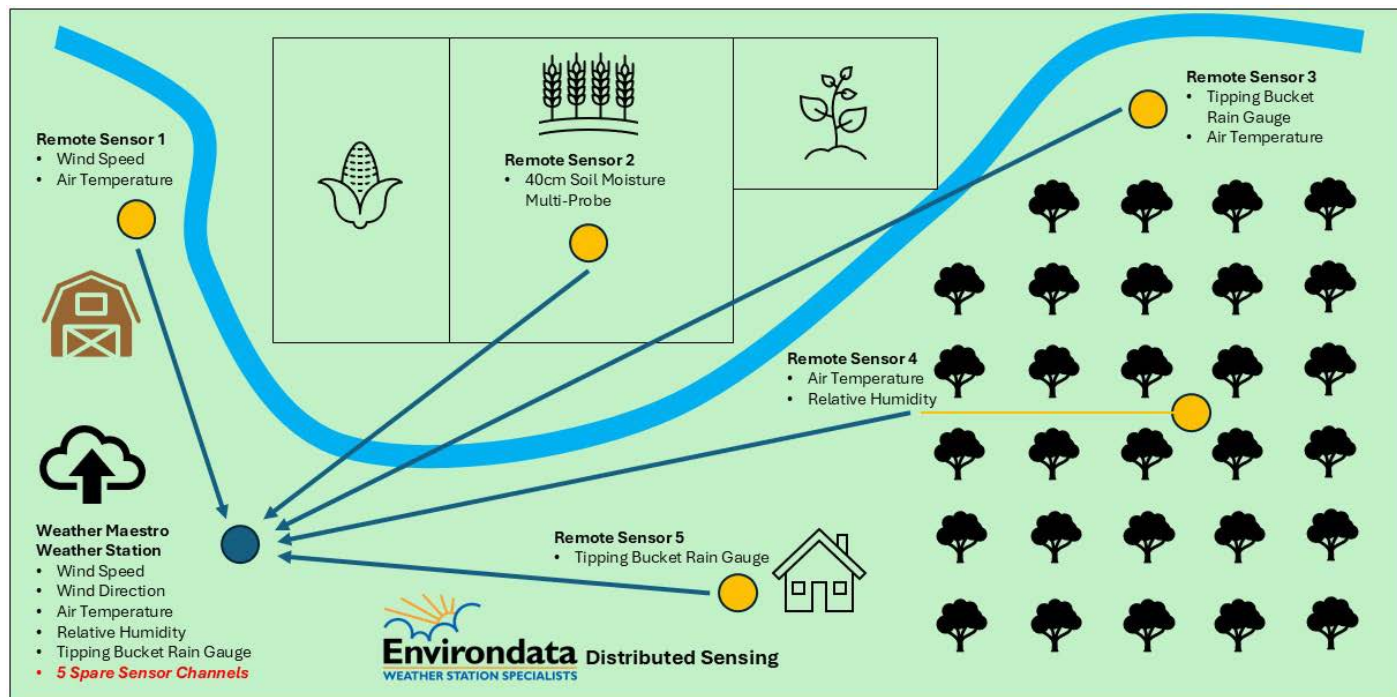
When adding a rain gauge this is designed to place the rim at 1500mm above ground level.

The solar panel bracket includes levelling & mounting points for easy fitment of an RG50 Tipping Bucket Rain gauge OR the SS32 Sensor shelter for Temperature and Humidity.

The Remote Communication unit is mounted on a Sun Shade on the same post. Lockable Housing optional.

All fittings are provided, in stainless steel, with captive nuts incorporated into the mounting post.

Distributed Sensing SPECIFICATIONS



Specifications

Mechanism	LoRaWan
Frequency	916MHz
Operating Range	7km Line of Sight
Transmission Power	
(Remote Units)	20dBm
(Master Unit)	23 dBm
Battery	
DS70	3.8V 4AH LiPO4
DS90	12VDC 18AH SLA
Solar Panel	
DS70	30W 12VDC
DS90	50W 12VDC
Current Consumption	
DS70	14mA @12VDC
DS90	14mA @12VDC
Plus Sensors	
Processor	ATmega328P



DS90 Soil Moisture Multiprobe Remote Sensing Unit