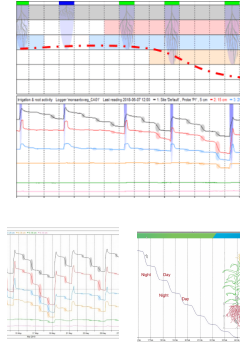
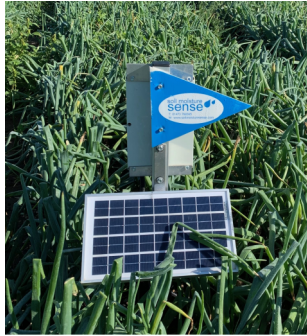
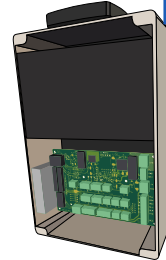


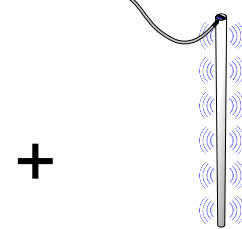
**Soil Copilot
30(T)/60(T)/90(T)/120(T)**



**SOIL
copilot** 



Copilot Hub



Soil Moisture
Probe

Probe	
Type	Sentek Drill & Drop
Power Supply	12V
Depth	60cm (default) 30/90/120cm also available
Sensor spacing	10cm intervals
Sensor types	Soil Moisture, 0—55% volumetric Soil temperature, -20—60 ±2°C Triscan (option, ionic content)
Logging	10/30/60 minute logging and upload
Memory	~2000 readings

Battery	
Type	Sealed Lead Acid
Voltage	12V DC
Capacity	7Ah

Modem	
Type	Multi-band RS-232
Bandwidth	Cat.M,NB-IoT,LTE,2G
Antenna	Multi-band low profile

Solar Panel	
Power	10W (20W upgrade available)
Dimensions	200 x 335 x 15mm

Enclosure	
Material	ABS
Dimensions	240 x 160 x 90mm
Mounting pole	Aluminium 38mm square cross-section

The Soil Copilot is our most basic crop monitoring system, using the well-known and trusted Sentek soil moisture probes. Field data is then available through the Irrimax online website, and also can be provided as a daily email.

		Soil CoPilot	Field CoPilot	Coir CoPilot	Runoff CoPilot	Climate CoPilot
Data Transmission Unit	MDL-3 Data Logger	—	✓	✓	✓	✓
	Logger Expansion Board	—	<i>Depending on sensors</i>	✓	<i>Depending on sensors</i>	<i>Depending on sensors</i>
	Interface Board	✓	✓	✓	✓	✓
	2G/4G Modem (<i>GPRS/LTE Cat.M/NbIoT</i>)	✓	✓	✓	✓	✓
	12V 7Ah SLA Battery	✓	✓	✓	✓	✓
	Solar Panel	10W	10W	20W	20W	10W/20W (<i>option</i>)
	A/C 12V Power Supply	—	—	<i>Optional</i>	<i>Optional</i>	—
Moisture	Sentek Drill & Drop RS232 Probe 60cm default, 30/90/120cm also available <i>Soil Moisture; Soil temperature; Volumetric Ion Content (option)</i>	✓	✓	—	—	—
	Choice of either:	—	—	Up to 9x	—	—
	• Sentek Drill & Drop SDI 12 Probes <i>Soil Moisture; Soil temperature; V.I.C. (option)</i>			Up to 3x		
	• Single point (10cm)			1x		
• 30cm						
• 60/90cm						
Or:			Up to 9x			
	• DeltaT WET150 <i>Soil Moisture; Soil temperature; EC</i>					
Rain	Small Tower Rain Gauge	—	✓	—	—	<i>Optional</i>
Temp/RH	Temperature & Relative Humidity Sensor	—	<i>Optional</i>	✓	<i>Optional</i>	<i>Optional</i>
EC/pH	EC Sensor with Amplifier	—	—	<i>Optional</i>	<i>Optional</i>	—
	pH Sensor with Amplifier	—	—	<i>Optional</i>	<i>Optional</i>	—
Irrigation/Runoff	Irrigation Applied - Water Meter	—	—	✓	✓	—
	Runoff Collector - Tipping Spoon	—	—	✓ <i>Choice of solution</i>	✓ <i>Choice of solution</i>	—
	Runoff Collector - Through Meter (<i>Whole trough</i>)	—	—			
Light	Light Sensor	—	<i>Optional</i>	<i>Optional</i>	<i>Optional</i>	<i>Optional</i>
Leaf Temp	Leaf Temperature Sensor	—	—	<i>Optional</i>	<i>Optional</i>	<i>Optional</i>
Wind	Wind Speed Sensor	—	<i>Optional</i>	—	—	<i>Optional</i>
	Wind Direction Sensor	—	<i>Optional</i>	—	—	<i>Optional</i>
Automation	Cable free connection to irrigation controller	—	—	<i>Optional</i>	—	—