
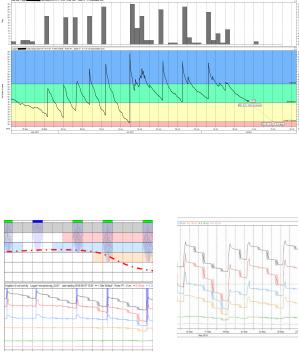

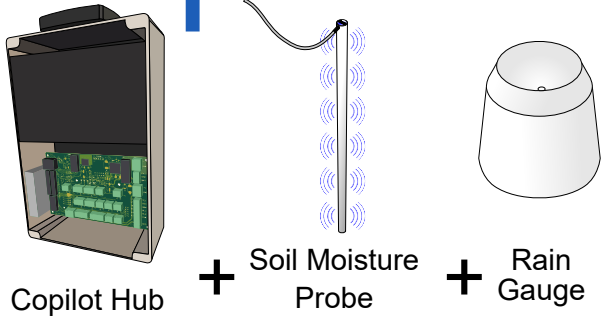


Field Copilot 30(T)/60(T)/90(T)/120(T)

Copilot Hub + Soil Moisture Probe + Rain Gauge

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

Rain Gauge	
Type	Small tower tipping spoon
Resolution	1mm
Maximum intensity	700mm/h
Accuracy	±5%

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

The Field Copilot adds rain and irrigation logging to our soil moisture logging solution. 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	Up to 9x					
• 60/90cm						
Or:						
• 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>	—	—