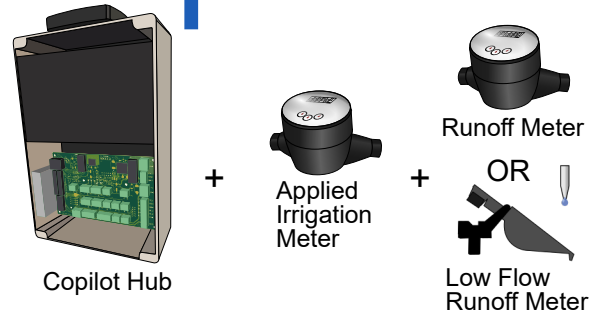


## Runoff Copilot 100/110/120



# RUNOFF copilot



### Data Transmission Unit

Type	Copilot Hub
Power supply	12V 7Ah SLA with solar charger
Telemetry	Multi-band modem Cat.M,NB-IoT,LTE,2G
Logging	10m readings and upload (default)
Alert option	High/Low temp. alerts via SMS, up to 3 numbers.

### Applied Irrigation Meter

Type	DN15 Cold Multi-jet
Resolution	0.25L

### Runoff Meter

Type	DN15 Cold Multi-jet
Resolution	0.25L

### OR

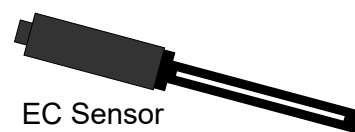
### Low flow Runoff Meter (optional)

Type	Custom float valve controlled
Resolution	0.25L, collected

## Add-on Options

### EC Sensor (Coir Copilot 610/620)

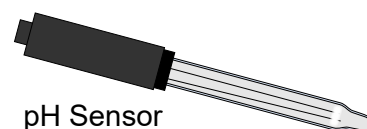
Type	Carbon plate
Range	0-12ds/cm <sup>3</sup>



EC Sensor

### pH Sensor (Coir Copilot 610/620)

Type	Annular ceramic
Range	0-14



pH Sensor

The Runoff Copilot is a basic solution for monitoring applied irrigation and runoff in soft fruit production. Our custom low flow collector for runoff allows producers to monitor the complete amount of runoff produced for an application, and the optional addition of EC and pH sensors gives accurate information on the results of fertigation and other applications.

		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:	—	—	<i>Up to 9x</i>	—	—
	• Sentek Drill & Drop SDI 12 Probes <i>Soil Moisture; Soil temperature; V.I.C. (option)</i>			<i>Up to 3x</i>		
	• Single point (10cm)			<i>1x</i>		
• 30cm						
• 60/90cm						
Or:			<i>Up to 9x</i>			
• 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>	—	—