





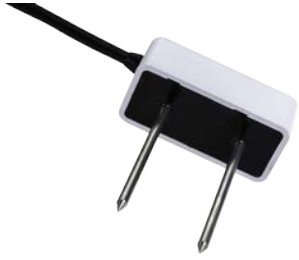

ProCheck hand-held readout device

The ProCheck is a hand-held readout device that can take manual portable measurements of all Decagon sensors*, including the digital ECHO-TE, EC-TM, and RH/Temp sensors. It will store data and also download stored data to a computer. The ProCheck has pre-set calibrations for different media (mineral soil, potting soil, Perlite, etc.) and also allows you to apply your own particular calibration to any of the sensors as well.








* Note: The ProCheck will not download data from the Em50 or Em5b loggers, that still must be done via connection to a computer.


<p>ProCheck</p>	<p>Portable measurement of all Decagon's sensors.</p> <p>Readings in real-time. Stores readings with time, date, sensor type, calibration, and comments.</p> <p>Downloads data to PC (free software provided) Battery-operated.</p>	
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Available Sensors for the ProCheck

<p>GS3 Water Content, Temperature & EC</p>	<p>A moisture sensor for soilless substrates such as rockwool, potting soil, peat, and perlite. The GS3 measures water content, temperature, and bulk electrical conductivity. Its stainless steel needles have an extended surface area to optimize EC measurements and minimize substrate disturbance during insertion. The GS3 comes standard with both serial and SDI-12 communication; you can plug and log with Decagon data loggers or integrate with other systems.</p> <p>http://ictinternational.com/products/g3/decagon-gs3-vwc-temp-ec/</p>	
<p>5TE Water Content & Temperature & EC</p>	<p>The 5TE lets you monitor bulk electrical conductivity (EC), in addition to volumetric water content (VWC) and soil temperature. Measures volumetric water content, temperature, and electrical conductivity in soil. This three-pronged, 5 cm long sensor is for use in soil only. High frequency oscillation and patented signal filtering deliver excellent accuracy with minimal textural effects. Serial or SDI-12 communication options come standard with each 5TE, giving lots of options for integrating into systems manufactured by other companies.</p> <p>www.ictinternational.com/products/5te/decagon-5te-vwc-temp-ec/</p>	
<p>5TM Water Content & Temperature</p>	<p>The 5TM determines volumetric water content (VWC) by measuring the dielectric constant of the soil (or other media) using capacitance/frequency domain technology. Signal filtering minimizes salinity and textural effects, making the 5TM accurate in most soils and soilless media. Factory calibrations are included for mineral soils, potting soils, rockwool, and perlite.</p> <p>www.ictinternational.com/products/5tm/decagon-5tm-vwc-temp/</p>	
<p>GS1 Water Content</p>	<p>The GS1 is a ruggedized version of our basic, no-frills soil moisture sensor. It accurately measures volumetric water content in soil or soilless media. This sensor is built to last longer in the field under warmer, wetter conditions. The epoxy body withstands harsh environments and water intrusion. Two stainless steel needles cut through the soil for better soil-sensor contact and easier installation. Needles are also much more durable than our standard sensor blades.</p> <p>www.ictinternational.com/products/g1-rugged-vwc/decagon-gs1-rugged-vwc/</p>	
<p>EC-5 Water Content</p>	<p>The EC-5 determines volumetric water content (VWC) by measuring the dielectric constant of the media using capacitance/frequency domain technology. Its 70 MHz frequency minimizes salinity and textural effects, making this sensor accurate in almost any soil or soilless media. Factory calibrations are included for mineral soils, potting soils, rockwool, and perlite.</p> <p>www.ictinternational.com/products/ec-5/decagon-ec-5-moisture/</p>	



<p>10HS Water Content</p>	<p>The 10HS measures volumetric water content via the dielectric constant of the soil using capacitance technology. The sensor uses a 70 MHz frequency, which minimises salinity and textural effects, making it an ideal sensor in agricultural and standard scientific projects.</p> <p>www.ictinternational.com/products/10hs/decagon-10hs-moisture/</p>	
<p>MPS-6 Water Potential</p>	<p>The MPS-6 is a matrix water potential sensor that provides long term, maintenance-free soil water potential and temperature readings at any depth without sensitivity to salts. The range of the MPS-6 goes from field capacity to air dry. Lab and field tests indicate that it can make accurate measurements at water potentials at least as dry as permanent wilting point.</p> <p>www.ictinternational.com/products/mps-6/mps-6-matrix-water-potential-sensor/</p>	
<p>VP-3 Environmental Sensor</p>	<p>Use the rugged VP-3 sensor with soil moisture probes in microclimate and evapotranspiration studies.</p> <p>www.ictinternational.com/products/vp-3/decagon-vp-3-temp-humidity/</p>	
<p>PASSVP-3 Temperature & Humidity</p>	<p>Relative Humidity, Air Temperature, and Vapour Pressure measurements with or without a passive radiation shield. This shield is designed to improve air temperature readings by minimising radiation and maximizing airflow over the surface of the sensor. Especially designed to preserve the correlation between actual air temperature and sensor air temperature.</p> <p>www.ictinternational.com/products/vp-3/decagon-vp-3-temp-humidity/</p>	
<p>ECT Temperature & Humidity</p>	<p>The simple ECT air or soil temperature sensor is an easy-to-use sensor for measuring the temperature of air, soil or other materials. The sensor is completely water proof, submersible, and designed for continuous outdoor use.</p> <p>www.ictinternational.com/products/ect/decagon-ect-sensor/</p>	
<p>PASS ECT Temperature & Humidity</p>	<p>The ECT with PASS, passive radiation shield.</p>	
<p>Decagon RT-1 Rugged Sensor Temperature</p>	<p>The rugged RT-1 soil temperature sensor is an easy-to-use sensor for measuring the temperature of soil or other materials. The sensor is stainless steel, completely water proof, submersible, and designed for continuous outdoor use. It can be used with either the Em5B logger or the Em50 logger series. However, typical users of the Em50 series logger prefer to measure soil temperature in conjunction with their soil moisture measurement using the 5TM.</p> <p>www.ictinternational.com/products/vp-3/decagon-vp-3-temp-humidity/</p>	

<p>QSO-S PAR Sensor</p>	<p>The model QSO-S PAR Photon Flux sensor measures the Photosynthetic Photon Flux (PPF) in $\mu\text{mol m}^{-2} \text{s}^{-1}$ from a field of view of 180 degrees. The diffusion disk is composed of characterized pigments for good spectral response. The sensor is designed for continuous outdoor use, and is completely water proof and submersible. The QSO-S is supported by the LSM1 Light Sensor Meter for PAR Sensors or Decagon's data loggers Em50 or Em50G. http://www.ictinternational.com/products/qso-s/qso-s-par-sensor/?from=/supplier/decagon/plants/light/</p>	
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<p>ECRN-100 Precipitation & Leaf Wetness</p>	<p>The ECRN-100 is best used in research studies or for measuring precipitation. Plug-and-log capabilities with the Em50 series data loggers. Resolution: 0.2 mm (0.01 in); collector surface 200 q/cm.</p> <p>www.ictinternational.com/products/ecrn-100/high-resolution-rain-gauge/</p>
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<p>LWS Precipitation & Leaf Wetness</p>	<p>LWS leaf wetness sensor is standardized, calibrated, and designed to detect wetness (presence and duration) and ice formation right out of the box. No painting, baking, or user calibration required.</p> <p>www.ictinternational.com/products/lws/decagon-leaf-wetness-sensor/?from=/supplier/decagon/plants/disease-monitoring/</p>
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