DELTA-T PRODUCTS

DESCRIPTION Measurement Engineering Australia (MEA) is the authorised Australian distributor for the Delta T Devices range of instruments.

Delta T is a UK company specialising in scientific instruments to measure soil and plant characteristics.

PRODUCT RANGE INCLUDES

- **Theta Probe soil moisture sensors.** The ThetaProbe measures volumetric soil moisture content to within 1%. It offers precision and reliability at an affordable price.
- **WET soil salinity and moisture probes.** The new WET probe provides readings of pore water conductivity directly within the soil. It gives you moisture content, soil temperature and conductivity in the one hit. On the spot salinity measurements are now within the reach of everyone.
- **Tube solarimeter.** Vital for measuring solar radiation in crop growth studies. Whilst ideal for outside use, they may also be used under natural light in glasshouses.
- **BF3 beam fraction sensor.** The BF3 is the electronic alternative to the traditional Campbell-Stokes sunshine recorder. It uses an array of photodiodes positioned beneath a unique shading pattern to calculate whether the sun is shining and to measure the Direct and Diffuse components of solar radiation.
- **SunScan.** Provides valuable information about factors influencing crop growth using field measurements of PAR values in crop canopies. Also maps PAR distribution within the canopy.
- **WinDIAS.** Fast, inexpensive, true colour image analysis. Automated measurement of diseased and healthy leaf areas. Measures and analyses area, width, length, perimeter and angle using a high resolution CCD video camera.
- **Hemiview.** Analyses hemisherical images, calculates canopy structure parameters and solar radiation indices and predicts radiation levels below the canopy. HemiView provides an effective way of analysing these images and managing the data.
- **Delta T Scan.** Delta-T Scan uses a customised flat-bed scanner, or hand held scanner, to provide fast and easy high resolution root analysis, and many other useful image analysis functions.
- **Porometer.** The AP4 Porometer measures the rate of water vapour diffusion through leaf surfaces and calculates stomatal conductance. This is a major determinant of water loss from plant leaves and the of CO_2 uptake in photosynthesis.

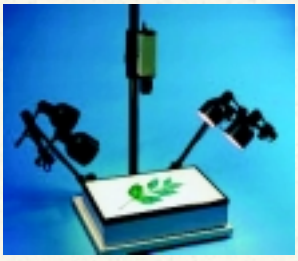
Many of the Delta T sensors are loggable units which can be integrated into MEA systems. Others are stand alone units.

Theta Probe

WET Sensor

Tube Solarimeter

BF3 SunShine Sensor



WinDIAS

Hemiview

Porometer

MEASUREMENT ENGINEERING AUSTRALIA

PUTTING TECHNOLOGY TO WORK!