



Sensors



- Wavelengths are available for NDVI, RVI, etc to match Earth Observation satellites such as MODIS, SPOT, AVHRR, Landsat, etc.
- Wavelengths can be chosen for studying Biomass Cover, Vegetation Indices & Red Edge Inflection Point for example
- Use our expertise and knowledge to select the correct filtering for your application
- A pair of identical 2-channel sensors are mounted to measure incident & reflected light simultaneously for accurate readings in all daylight conditions
- Sensors are supplied with detailed calibration certificates, showing that calibration is fully traceable to National Standards
- Sensors are completely waterproof & designed for 'life in the field'



Logger

Logger Choices



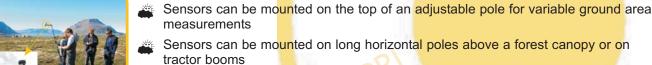


area of measurement by

Logging Meter

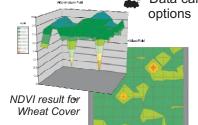
SpectroSense2 meters are portable. They include an NDVI display & mapping function

The System



Sensors & logger can be added to Flux Towers or Eddy Covariance Towers

Data can be used with any graphing package, especially those with complex 3D options





MobiLas CANOPY SENSOR - A.Thomsen

BSES expedition to Greenland. NDVI system used for the study of vegetation characteristics for low arctic vegetation

Skye 4-channel sensors are mounted on this microlite aircraft for studying aerosol & radiation

interaction
Courtesy: Dr Wolfgang
Junkermann

Applications

Studies of vegetation productivity & stress



Light-use efficiency



Red Edge Inflection Point



Monitoring the effects of climate change



Mapping land cover & land use



CO2 Flux Towers



Vegetation Indices



Ground Truth Studies



Biomass cover



Skye 2-channel sensors on an Eddy-Covariance Tower. Courtesy: Dr Caroline Nichol



4-channel sensors being used as part of a GIS based analysis of ground water quality in Senegal. Courtesy: Dr Rasmus Fensholt





Overview of Skye Loggers

	SpectroSense2+	SpectroSense2.GPS	DataHog2
Plot location log	X	V	X
Sensor inputs	8	8	16
Incident / reflected measurements	V	V	V
Designed for low reflected light levels	V	V	V
Any daylight conditions	V	V	V
LCD display	V	V	X
NDVI display	V	V	X
Logging function	V	V	V
Waterproof rating	IP54	IP54	IP65
Suitable for long term logging	X	X	/
Portable measurements	✓	✓	X
GPS mapping	X	✓	X
Traceable system calibration	V	V	V
Other wavelengths available	V	V	V
Sensor Library	V	V	X
2 & 4 Channel ratios displayed	V	V	X

Skye Instruments Ltd., 21 Ddole Enterprise Park, Llandrindod Wells, Powys LD1 6DF UK

Tel: +44 (0) 1597 824811 Fax: +44 (0) 1597 824812

Email: skyemail@skyeinstruments.com

