

MAPPING THE WORLD



ASTER

WITH DIRECT & REFLECTED LIGHT

VENUS

The System



Skye's 2 & 4 channel light sensors have been specially designed so that the wavebands can be chosen by the user

Sensors

Use our expertise and knowledge to select the correct filtering for your application

Sensors are supplied with a detailed calibration certificate, showing that calibration is fully traceable to National Standards

Sensors are completely waterproof & designed for 'life in the field'



SpectroSense2, SpectroSense2+ & SpectroSense2.GPS meter/logger are designed specially for light measurements and in particular for the low signal measured from narrow-band filtering. We are specialists in designing light measurement systems and we have over 20 years experience in building specialist systems

Meter

Features include plot location, display of ratios, display of integration and calculations for NDVI

GPS option



Easy-to-use

Automatically detects Comm port connection

Software

Once connected the software automatically downloads the current settings from the SpectroSense & displays them on the PC screen

Setup is very straightforward



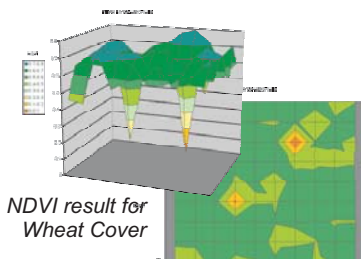
Sensors are mounted on the top of an adjustable pole for variable ground area measurements

In the Field

Meter fits on a bracket at hand height

System weighs very little making it very portable

System dismantles into small packages for ease of transportation between sites



NDVI result for Wheat Cover

Result

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

Applications

Studies of vegetation productivity & stress



Light-use efficiency



Monitoring de-forestation



Monitoring the effects of climate change



Mapping land cover & land use



CO₂ Flux Towers



Eddy-Covariance Towers



Ground Truth Studies



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



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 the Models

	SpectroSense2	SpectroSense2+	SpectroSense2.GPS
4 Line Display	✓	✓	✓
Logging Function	✗	✓	✓
Battery Operated	✓	✓	✓
16 bit Resolution	✓	✓	✓
0.008% accuracy @20°C	✓	✓	✓
Sensor Library	✓	✓	✓
Sensor Inputs	4	8	8
2 & 4 Ratios Displayed	✓	✓	✓
NDVI Display	✗	✓	✓
Integration Display (MJ/hr ⁻¹)	✓	✓	✓
GPS Mode	✗	✗	✓
Compatible with Sensors from other Manufacturers	✓	✓	✓
F1 "Favourite Mode"	✗	✓	✓
Plot Location Log	✗	✗	✓

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



Market Leaders in Specialist
Light Sensors & Systems

www.skyeinstruments.com