



# Land-based Systems for Remote Sensing

# The System

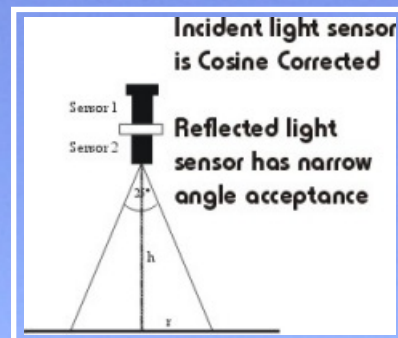
2 or 4 channel sensors for required wavelengths



Sensors mounted for measuring incident & reflected light



The Principle



SpectroSense2+ with GPS for mapping



DataHog2 for long-term logging



# The Location

On the Ground  
Ground Truth Studies



On Flux Towers  
PRI / NDVI studies



On Light Aircraft  
Scaling Up



Precision Agriculture  
On UAVs.....On Tractors



# ORDERING INFORMATION

Skye Instruments offer sensors and systems with fully traceable calibrations for wavelengths between 280nm and 2400nm. Sensors can be ordered with customised wavebands within this range, or chosen from standard formats such as MODIS, NDVI and PRI as shown below. Wavebands for other satellites such as Landsat, AVHRR, SPOT, IKONOS, ASTER etc. are also popular choices and are available on request.

## 2 CHANNEL SENSORS VIS / NIR

BAND	MODIS	SKR 1800 MN	SKR 1800 P-B	SKR 1800 P
MODIS BAND 1	620 - 670	620* - 670***	-	-
MODIS BAND 2	841 - 876	841* - 876***	-	-
PRI 531	528.5-533.5	-	525-535 *	528.5-533.5 **
PRI 570	567.5-572.5	-	565-576 *	567.5-572.5 **

## 4 CHANNEL SENSORS VIS / NIR

BAND	MODIS	SKR 1850 M	SKR 1850 PMN-B	SKR 1850 PMN
MODIS BAND 1	620 - 670	620* - 670***	620* - 670***	620* - 670***
MODIS BAND 2	841 - 876	841* - 876***	841* - 876***	841* - 876***
MODIS BAND 3	459 - 479	459* - 479***	-	-
MODIS BAND 4	545 - 565	545* - 565***	-	-
PRI 531	528.5-533.5	-	525-535 *	528.5-533.5 **
PRI 570	567.5-572.5	-	565-576 *	567.5-572.5 **

## 5 CHANNEL SENSORS SWIR

BAND	MODIS	SKR 1870 M-B	SKR 1870 M	SKR 1870
MODIS BAND 5	1230 - 1250	1234.5-1245.5 ***	1230 - 1250 *	1230 - 1250 *
MODIS BAND 6	1628 - 1652	1633.5-1646.5 ***	1628 - 1652 *	1628 - 1652 *
MODIS BAND 7	2105 - 2155	2105 - 2155 *	2105 - 2155 *	2105 - 2155 *
SENSOR CHANNEL 4	-	Blank	Blank	User's choice
SENSOR CHANNEL 5	-	Sensor temperature	Sensor temperature	Sensor temperature

### Wavelength tolerance

\* +/- 2nm                      \*\* +/- 3nm                      \*\*\* +/- 5nm

Tolerances quoted are maximum values, typically the variation is much lower.

### KEY

M = MODIS                      P = PRI                      N = NDVI                      B = Budget

Part Numbers without a 'B' in the suffix indicates an exact match (within tolerances) for the wavebands

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