DATALOGGERS

Connecting a Licor Light Sensor

Licor light sensors can have either a nA output (wire ended or fitted with a BNC connector) or mV output (when used with the millivolt adapter). The Skye DataHog2 logger is compatible with both the current (nA) and voltage (mV) outputs and Licor light sensors can be connected in the same way as Skye sensors.

DataHogs have 3 types of socket suitable for light sensors, Current, Single Ended voltage or Differential voltage inputs. If you are unsure which type is fitted to your DataHog logger, please check the logger's Hardware Configuration Certificate or ask Skye, quoting the logger's serial number.

Wiring details for the 3 socket types are below:

CURRENT INPUT SOCKETS

These use Hardware Channels 25-40 on the logger's Hardware Configuration Certificate.
The Licor sensor should be wire ended (remove BNC connector if necessary) and then fitted with a Skye 5 pin DataHog connector.

Skye Connector	*Function*	*Licor Sensor Wire*
Pin 1	not connected	
Pin 2	not connected	
Pin 3	not connected	
Pin 4	Negative current input	Negative current output (cable core)
Pin 5	Ground and cable screen	Positive current output (cable shield)

SINGLE ENDED VOLTAGE INPUT SOCKETS

These use Hardware Channels 0, 1, 3, 4, 6, 7, 9, 10, 12, 13, 15, 16, 18, 19, 21, 22 on the logger's Hardware Configuration Certificate.
The Licor sensor should have the millivolt adapter connected (please note this adapter is not waterproof) and then fitted with a Skye 5 pin DataHog connector.

Skye Connector	*Function*	*Licor Sensor Wire*
Pin 1	not connected	
Pin 2	Positive voltage output	Positive voltage output
Pin 3	not connected	
Pin 4	not connected	
Pin 5	Ground and cable screen	Negative voltage output

(Continued)

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 Web: www.skyeinstruments.com

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Connecting a Licor Light Sensor (continued)

DIFFERENTIAL VOLTAGE INPUT SOCKETS

These use Hardware Channels 2, 5, 8, 11, 14, 17, 20, 23 on the logger's Hardware Configuration Certificate.
The Licor sensor should have the millivolt adapter connected (please note this adapter is not waterproof) and then fitted with a Skye 5 pin DataHog connector.

	Skye Connector	*Function*	*Licor Sensor Wire*
	Pin 1	not connected	
	Pin 2	not used	
	Pin 3	Negative voltage output	Negative voltage output
{ Pins 3 and 5	Pin 4	Positive voltage output	Positive voltage output
{ are linked	Pin 5	not connected	

You will also need to use the Licor sensor calibration sensitivity to calculate and enter the Full Scale Value in the DataHog logger. Please see the separate datasheets for making this calculation of the current and voltage type sockets.