








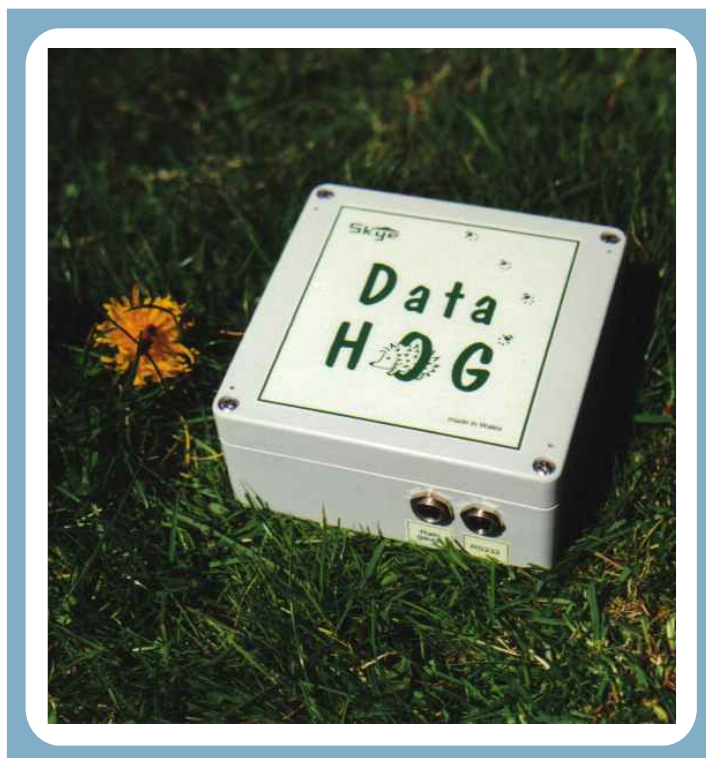


DATALOGGERS

DataHog2

-  Dedicated, accurate and reliable systems, which are easy to use, completely weatherproof, robust, durable and low cost
-  Designed for photodiode light sensors, especially incident and reflected solar radiation, NDVI, PRI etc
-  Compatible with meteorological sensors for complete monitoring stations
-  User selectable logging and integration intervals, plus a 24 hour summary
-  Multi-channel with a choice of voltage, current or digital count inputs
-  Optional electrical relay outputs for switching or alarm facilities
-  Battery operated with a choice of additional power supplies - solar and mains
-  Optional SkyeLynx Software Packages
-  Access via a portable PC, permanent cable link or GSM mobile phone remote data link



Applications

MiniMet automatic weather station

Solar radiation monitoring system

Long term data collection of incident / reflected light e.g. NDVI, PRI, satellite ground truthing

Biomass studies

Agrometeorology

Global climate change recording

Build your own system including any of the above applications and more

The Skye DataHog loggers have been available for several years as small easy to use devices suitable for many applications.

The DataHog2 has a large storage memory and extended battery life to allow long term projects to be monitored at remote sites, or short term logging at frequent intervals. The range of input types is varied - customers can use their own sensors or choose from Skye's range of precision sensors. Choose combinations of single ended or differential voltage, current inputs or digital count.

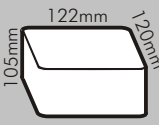
Channels can be individually programmed with logging interval and gain to suit each sensor type. Units for scaling are defined by the user for easy and straightforward operation. At user-set levels, the DataHog2 will give an electrical relay or alarm output from up to two different channels. There is also a timed start/stop function.

Supplied with a 'ready-to-go' package of batteries, datalead, USB serial converter & Windows communication software



SPECIFICATIONS

DATALOGGER

operating temperature	Housing	Mounting	Weight Dimensions	Connections	Memory	Resolution
-20 to + 70°C standard range (units for extended temperature range available)	Grey ABS-sealed to IP65.	Can be mounted in any position	1100g 	Binder sub-miniature type 8 & 5 pin Sealed to IP65 when mated with plug or blanking cap	Battery backed RAM, 1 Mbit. e.g. 2-channels, 8068 recordings of each channel plus date and time	15 bits resolution User definable scaling and units
Communications	Power	Inputs	Outputs	Modes	Clock	
RS232C, ASCII output will communicate with any PC. All units are supplied with a datalead, USB serial converter and software for an IBM compatible PC. Data offload at a baud rate of 9600 Binary offload option Instant 'wake up'	Standard: 6 x 'C' batteries (4-6 months) Internal 10 year lithium battery for data memory and channel configurations Optional: Mains Hog (mains power - 240 or 110V) Solar Hog (solar power)	Voltage - single ended or differential ±2mV to ±2V Current 0-200nA to 0-400 A Digital count RH 10k thermistor Wind direction	4 optional independent electrical relay switches open/close contact on user set conditions	Each channel configured individually Logging intervals - 10, 20, 30 secs, 1, 2, 5, 10, 20, 30 mins, 1, 2, 3, 4, 6, 12 hours. Integration intervals- as for logging intervals above. Transmit data at above intervals to RS232 whilst logging Transmit data on demand from signal via RS232. Stop/start logging time	Real time year, month, date, time clock enabling synchronisation of several units. Clock backed by lithium battery	

ORDERING INFORMATION

A comprehensive list of part numbers with descriptions for the many DataHog datalogger options can be found in the price list. The following give some examples:

SDL 5050	1 channel DataHog2
SDL 5100	2 channel DataHog2
SDL 5200	4 channel DataHog2
SDL 5400	8 channel DataHog2
SDL 5800	16 channel DataHog2

Accessories

SKM 225	Pole mount for DataHog
SKRS 080S	Radiation screen & bracket for DataHog with integral RH and/or Air temperature sensors.
SKLS 940/SKLS 950	SkyeLynx Auto and Deluxe Communications Software Package

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