

DATALOGGERS

WindHog



Battery operated with a choice of additional power supplies - solar and mains



A dedicated, accurate and reliable system, which is easy to use, completely waterproof, robust, durable and low cost



User selectable logging and integration intervals, plus a 24 hour summary



An optional Windows software package displays the data in several graphical formats



Access via a portable PC, permanent cable link or GSM mobile phone remote data link



Real-time clock for synchronisation with other installations



Use support always available



The WindHog is just one model from a complete family of Skye DataHog dataloggers and is dedicated to the measurement and monitoring of wind speed and wind direction. Control relays can be added for activating alarms, vents, windows etc according to the prevailing wind conditions.

DataHog loggers have up to a total of 16 sensor inputs, but the WindHog datalogger is just fitted with 1 or 2 channels for wind sensors as required. For full meteorological stations please choose the MiniMet

datalogger.

The low cost DataHog2 WindHog includes a traditional pulse anemometer and potentiometer windvane, and records averages of wind speed and direction.

All DataHog loggers can calculate the wind direction as a modal average (or predominant wind direction).

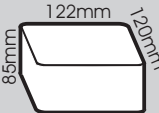
WindHogs are battery powered as standard, but are also available with mains or solar power supplies. Data is

transferred to a PC for analysis either by direct cable link, land telephone line or cellular modem link.

The SkyeLynx Deluxe software includes a special windrose graphing feature, which displays wind speed and direction in a compass style format overlaid on a local site map or plan, ideal for environmental regulation records.

SPECIFICATIONS

DATALOGGER

Operating Temperature	Housing	Mounting	Weight Dimensions	Connections	Power	Resolution
-20 to + 70°C standard range	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	Standard 6xC batteries (4-6 months) Optional Mains Hog, mains power Solar Hog, solar power	15 bits resolution
Communications	Memory	Inputs	Outputs	Modes	Units	Clock
RS232C, ASCII output will communicate with any PC. All units are supplied with a datalead and software for an IBM compatible PC. Total or partial file offload at a choice of baud rates Binary offload option Instant 'wake up'	Battery backed RAM, 1 Mbit. e.g. 2-channels, 8068 recordings of each channel plus date and time	Wind direction Wind speed	2 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, 24 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	User definable scaling and units	Real time year, month, date, time clock enabling synchronisation of several units. Clock backed by lithium battery

WIND VANE (wind direction) Vector

ANEMOMETER (wind speed) Vector

Housing	Accuracy	Housing	Starting speed	Maximum	Accuracy
Anodised aluminium alloy & stainless steel	10° typical maximum instantaneous error - 2° obtainable as a mean in steady wind	Anodised aluminium alloy, stainless steel and weather resistant plastics	0.3 m/s (0.4Kt)	Over 75 m/s (146 Kts)	Typically 1% of reading

ORDERING INFORMATION

DataHog

SDL 5100 2 channel WindHog datalogger (includes batteries, datalead and software)

Wind Sensors

A100R/I Vector Anemometer with 3 metres cable and DataHog connector
 W200P/D1/I Vector Windvane with 3 metres cable and DataHog connector
 TC3124/I Thies Clima Windvane with 3 metres cable and DataHog connector
 TC3151/I Thies Clima Anemometer with 3 metres cable and DataHog connector

Accessories

SKM 225 Pole mount for DataHog
 ACC/12 Pole mount for wind sensors
 ACC/11C Portable mast- includes mounting plate, guylines & pegs
 ACC/5 Solar Hog(solar power source)
 SKLS 950 SkyeLynx Deluxe Graphical communications program

Skye Instruments Ltd

21, Ddole Enterprise Park
 Llandrindod Wells
 Powys LD1 6DF
 United Kingdom

TEL +44 (0)1597 824811

FAX +44 (0)1597 824812

EMAIL skyemail@skyeinstruments.com

WEB <http://www.skyeinstruments.com>

