



DATALOGGERS

ACC9/B MainsHog with Signal Boosters

This system can be used with Skye DataHog or MiniMet dataloggers. Its purpose is to provide power to the logger from a mains supply (110 or 240V) and to provide a direct PC cable or remote modem link over long cable distances up to 1 km.

It consists of 2 units separated by the long cable:

1. Mains powered end

This unit is not waterproof and is intended to be installed indoors.

It takes power from the mains supply and transforms it to 25V so that only a safe, low voltage runs along the cable to the remote datalogger.

It is fitted with rechargeable batteries which will continue to power the logger in the event of a mains power failure for up to 8 hours. These batteries will automatically recharge as soon as mains power returns.

It also contains a data signal booster to allow accurate communications between the PC or modem and the datalogger over the long cable length.

This unit is opto-isolated to protect against over-voltage surges (such as caused by electrical storms) running along the cable and damaging the PC or other mains operated equipment.

The housing has 2 red buttons marked PSU Reset and Reset which can remotely reset the datalogger if required.

It is fitted with a 1m RS232 serial output cable with a 9 pin D connector to fit directly to a PC, and a 3m mains supply cable (this is fitted with a 3A 3 pin standard mains plug if supplied within the UK).

2. Remote end

This unit is fully weatherproof for outdoor use and includes a pole mount and fixings.

It contains a voltage regulator to convert the incoming power supply (possibly less than 25V due to the long cable length) into a nominal 13.8 V suitable to power the DataHog or MiniMet logger.

It also contains a data signal booster to allow accurate communications between the PC or modem and the datalogger over the long cable length.

It is fitted with a 3m RS232 serial output cable with an 8 pin plug suitable to connect to the RS232 socket of the Skye datalogger.

The cable which runs between the 2 units consists of 4 twisted pairs. This serves to supply power to the remote logger and act as a communication datalead.

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