

# **RATE OF SPREAD OF FIRE DEVICE- RASP-MK**

This is the new model of RASP device. It is capable of measuring temperatures from 0-1370 degrees C. It can be programmed to start storing results at a pre-determined temperature set by the user. The scan frequency can also be set by the user. There are a number of low power modes available to conserve battery power. There is also an option for a solder link to record the time/date of the initial passage of the fire. A further option is the provision of a homing transmitter that can be turned on at the conclusion of the fire front. There is enough memory to record readings every second for about 72 hours.

## **SPECIFICATIONS:**

Temperature Range: 0-1350 degrees C.

Preset Temperature before storage of readings: 0-450 degrees C.

Scanning frequency: 1 second to 1 minute

Memory: 2 megabytes (non-volatile)

Real Time Clock on board.

Battery life: Standby – 18 months

    After launch – 6-9 months (no transmitter)

    After launch – 6- 8 months with transmitter (Transmitter will last 3-4 weeks after being activated.)

    No data is lost if the battery is completely expended.

Size: Approximately 68mm diameter & 18mm high (plus 3mm diameter thermocouple, length to be specified.) – no case supplied

76mm diameter & 33mm high (plus thermocouple as above) in water resistant case.

Sensor: Type 'K' thermocouple and thermistor for cold junction determination.

    (Higher temperature thermocouples may be available later). Length specified by user (2 metres is standard).

Data download: Via RS232 interface (9600 baud). Cable provided with PC software.

USB to RS232 adaptor available. Data saved to text file with time and date stamp.

Temperature resolution to 1 degree.

Initial scanning LED to signify launch operation.

Optional Solder link to determine exactly when the fire front passed. (same as RASP-150)

3<sup>rd</sup> March 2006