



**434-2415**

## **Heat & Ventilation Temperature Monitoring Kit**

Kit comprises of:

- MM2020 Dual Input Thermometer
- Plug Mounted Air Probe
- Plug Mounted Surface Ribbon Probe
- Plug Mounted General Purpose Probe
- Pipe Clamp Probe
- Handle Probe
- Carry case

### **MM2020 Thermometer**

The MM2020 thermometer features two thermocouple inputs. As default, the display will show input 1 on the main display with input 2 being displayed in the top right-hand corner. The display can be toggled using the 1/2/DIFF button on the keypad and the top left-hand corner will identify which input is being shown on the main display.

To find the differential reading between input 1 and 2, press the 1/2/DIFF button until 'DIFF INPUT 1-2' is shown on the display. You will now see the differential reading with the reading from input 1 being displayed in the top right-hand corner.

The hold feature allows the temperature on the main display to be frozen. When this button is pressed, the current display will freeze and the values will not be updated. To cancel, press the hold button again.

The MM2020 thermometer is fitted with a rubber case for further protection from accidental drops. This case can be removed and will allow access to the battery compartment. The instrument uses standard 9v PP3 batteries which are easy to source and can be replaced by the user.



### **Handle Probe**

The probe is designed to be used with plug mounted probes. It gives the user more flexibility to swap between probes for different applications, and to easily replace probes once they have reached their lifespan.

The handle probe features a durable moulded handle, mini thermocouple socket and is supplied with 2m polyurethane coiled cable which is terminated with a moulded mini thermocouple plug.

### **Pipe clamp Probe**

The probe is specifically designed for monitoring pipes which are up to 25mm in diameter. This probe features a stainless steel clamp which is fitted with two medium density foam pads with a Teflon coating to ensure durability and a fast response time.

The probe is supplied with a 2m polyurethane coiled cable and terminated with a moulded mini thermocouple connector.

### **Air Probe**

The probe features a funnel shaped tip to allow for maximum air flow across the thermocouple junction. It is manufactured from 316 stainless steel and is 100mm long by 30mm in width (across the funnel). It is terminated with a moulded thermocouple mini plug for connecting directly into the instrument or to the KH01 handle probe.

### **Surface Ribbon Probe**

The probe features a flexible stainless steel band sensor to aid maximum surface contact. The probe can monitor surface temperatures up to 250°C but note that only a light touch is required to achieve an accurate temperature reading. It is also best to use the probe on a clean surface.

### **General Purpose (Binder) Probe**

The probe is a durable, mineral insulated probe which is particularly ideal for immersion temperature measurement. The probe features a 100 x 3mm 316 stainless steel stem and can be used for very high temperatures up to 750°C.