

SVK1

SOUS VIDE TEMPERATURE KIT WITH THERMOMETER, PROBE, SOUS VIDE TAPE AND RECORD BOOK -

MM2000 Thermometer

FEATURES

Easy to use low cost high accuracy microprocessor based thermocouple instrument with a measurement range of -200 to +1372 °C and an operating range of -30 to 50 °C.

- *** °C / °F switchable
- *** Resolution of 0.1° to 1000° autoranging
- *** Switchable thermocouple types K / T / J / R / N / E / S
- *** Infra-Red sensor compatibility
- *** Full retention of thermocouple type and temperature scale
- *** User configurable Auto Switch Off capability
- *** Easy to use software calibration
- *** Overrange / Open circuit sensor indication
- *** Low battery indication
- *** Supplied complete with shock resistant rubber boot
- *** IP67 casing

SPECIFICATION

Environmental

AMBIENT OPERATING RANGE : -30 to 50 °C
 STORAGE TEMPERATURE RANGE : -40 to 50 °C
 HUMIDITY : 0 to 70% R.H.

ELECTRICAL

MEASUREMENT RANGES : K -200 to 1372 °C
 T -200 to 400 °C
 J -200 to 1200 °C
 R 0 to 1767 °C
 N -200 to 1200 °C
 E -200 to 1000 °C
 S 0 to 1767 °C

THERMOCOUPLE TYPES : K T J R N E S
 INFRA-RED SENSOR (Exergen K80) : K80 -50 to 250 °C
 TEMPERATURE SCALES : °C / °F
 ACCURACY @23°C : +/- 0.1% OF READING +/- 0.2 °C
 CHARACTERISING ACCURACY : LESS THAN 0.05 °C
 TEMPERATURE COEFFICIENT : 0.01% OF READING /°C
 COLD JUNCTION COMPENSATION : 0.0075 °C/°C
 RESOLUTION : 0.1° to 1000, 1° ABOVE 1000

GENERAL

BATTERY : PP3 9V I.E.C. 6F22
 BATTERY LIFE (INTERMITTENT USE) : GREATER THAN 200 HOURS (ALKALINE)
 WEIGHT : 155 gms
 DIMENSIONS : 130 X 70 X 33 mm

TP10 Probe

Description

This probe uses a small handle for ease of use in confined spaces. It is suitable for semi-solid product.

Construction

Needle Probe 1.5mm Diameter by 70mm Long : Stainless Steel 316 (Food Grade)
1M straight PTFE cable with moulded connector. Complete waterproof assembly.

Sensor Features

➤ TOTAL ENCAPSULATION TECHNIQUE FOR MAXIMUM STRENGTH AND DURABILITY.

This results in a solid handle as opposed to a hollow handle. This is particularly important as there is often damage to the handles caused by excess heat. With a hollow handle it is possible to puncture the outer plastic and damage the sensor irreparably.

➤ WATERPROOF HANDLE

Due to the total encapsulation method used, all TME probe handles are completely waterproof.

➤ TOUGH PTFE CABLE

- PTFE cable ensures operation to 185°C.
- PTFE insulation for greater strength.

➤ HIGH ACCURACY THERMOCOUPLE MATERIAL THROUGHOUT

Type 'T' Thermocouple : ½ Class I (±0.25°C ±0.15%)

➤ POLYPROPYLENE HANDLES

Polypropylene is an extremely tough and durable material, commonly used for milk crates, it has good low temperature performance and a relatively high melt temperature. It performs exceptionally well under chemical attack.

- **WIDE AMBIENT TEMPERATURE SPECIFICATION** : -30 TO 50 °C
- **TIME RESPONSE (96% of value in water)** : 1.6 Secs
- **MEASUREMENT RANGE** : -100 TO 280 °C

Sous Vide Tape

1m x 10mm x 4.5mm Self-sealing Foam Tape for use with Sous Vide cooking.

Directions for use

1. Carefully remove vacuum sealed product from water bath
2. Place a small section of tape over the area which you want to test
3. Compress the tape to activate the seal
4. Insert fine needle probe through the tape and into the product and wait for the temperature to stabilize
5. Remove the needle probe. You may return the product to the water bath for further cooking if required.

Technical Specification

- Features a pressure sensitive acrylic adhesive
- Resistant to temperatures ranging from -30°C to +70°C
- Good resistance to moisture, dilute acids, alkalis, UV light, abrasion and corrosion
- Conforms to European Directive 2000/53 EC (lead, chromium VI, mercury, cadmium free)

TEMPRB

Temperature log book for temperature record keeping. Eight page log book suitable for all temperature recording, and especially HACCP critical temperature record-keeping.

Cross-reference for compatible probes

Suitable probes for use with this instrument

TME PART No	DESCRIPTION	APPLICATION	T/C TYPE
KP05	NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	K
TP05	NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
KP07	NEEDLE PROBE HEAVY DUTY	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	K
TP07	NEEDLE PROBE HEAVY DUTY	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
TP10	SOUS VIDE NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
KM01	LIGHT DUTY M.I. PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	K
TM01	LIGHT DUTY M.I. PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	T
KM03	M.I. PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	K
TM03	M.I. PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	T
KM04	M.I. PROBE EXTENDED LENGTH	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	K
TM04	M.I. PROBE EXTENDED LENGTH	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	T
KS01	SURFACE BAND PROBE	FAST RESPONSE SURFACE MEASUREMENT	K
TS01-S	DUAL PROBE	FOR SURFACE AND IMMERSION MEASUREMENT	
KS07	SURFACE PROBE	GENERAL PURPOSE SURFACE MEASUREMENT	K
TS04	SURFACE PROBE	GENERAL PURPOSE SURFACE MEASUREMENT	T
KS08	HIGH TEMP SURFACE PROBE	HIGH TEMPERATURE SURFACE MEASUREMENT	K
KA04	AIR TEMPERATURE PROBE	FAST RESPONSE AIR TEMPERATURE PROBE	K
TA04	AIR TEMPERATURE PROBE	FAST RESPONSE AIR TEMPERATURE PROBE	T
TA12	SPATULA PROBE	BETWEEN PACK PROBE	T
KH01	SOCKET IN HANDLE	HANDLE FOR USE WITH PLUG MOUNTED PROBES	K
TH01	SOCKET IN HANDLE	HANDLE FOR USE WITH PLUG MOUNTED PROBES	T
KHA02	PLUG MOUNTED AIR PROBE	FAST RESPONSE AIR TEMPERATURE PROBE	K
THA2	PLUG MOUNTED AIR PROBE	FAST RESPONSE AIR TEMPERATURE PROBE	T
KHM01	PLUG MOUNTED M.I. PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	K
THM01	PLUG MOUNTED M.I. PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	T
KHN01	PLUG MOUNTED NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	K
THN01	PLUG MOUNTED NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
THA12	PLUG MOUNTED SPATULA PROBE	BETWEEN PACK PROBE	T
KHS01	PLUG MOUNTED SURFACE BAND PROBE	FAST RESPONSE SURFACE MEASUREMENT	K
KHS02	PLUG MOUNTED SURFACE PROBE	GENERAL PURPOSE SURFACE MEASUREMENT	K
THS02	PLUG MOUNTED SURFACE PROBE	GENERAL PURPOSE SURFACE MEASUREMENT	T
PKHV1	HVAC KIT	PROBE KIT DESIGNED FOR THE HVAC INDUSTRY	K
PKF1	FOOD KIT	PROBE KIT DESIGNED FOR THE FOOD INDUSTRY	T
PKGP1	GENERAL PURPOSE KIT	PROBE KIT CONTAINING MOST POPULAR PROBES	K
TP01	CORKSCREW PROBE	PROBE DESIGNED FOR CORE TEMPERATURE OF MEAT	T
KPS10	PIPE CLAMP PROBE	PROBE DESIGNED TO BE CLAMPED ONTO PIPES	K
TFS01	FOOD SIMULANT PROBE	SIMULATES THE CORE TEMPERATURE OF FOOD IN HOT OR COLD STORAGE	