

## DATA SHEET

### SHKA04-S0.5 K Type Small Handled Still Air Probe

#### Description

This probe uses a small handle for ease of use in confined spaces. Designed for measuring air or gas temperatures in ducts, pipes and small openings.

#### Construction

Air probe with exposed thermocouple sensor protected by a perforated stainless steel sheath. Insulated in ceramic sheaths.

Sensor stem is 4mm diameter and 110mm long, the sensor is approx 5mm from the stem end.

0.5 meter straight polyurethane cable with moulded connector

#### **Sensor Features**

- **TOTAL ENCAPSULATION TECHNIQUE FOR MAXIMUM STRENGTH AND DURABILITY.**

This probe is manufactured using a two stage moulding technique. Firstly the probes are encased in tough nylon, then a thermoplastic over moulding is applied. This gives an extremely robust and durable construction with the added benefit that the assembly is waterproof.

- **HIGH ACCURACY THERMOCOUPLE MATERIAL THROUGHOUT**

Type 'K' Thermocouple : Class I ( $\pm 1.5^{\circ}\text{C} \pm 0.25\%$ )

- **WIDE AMBIENT TEMPERATURE SPECIFICATION** :  $-30$  TO  $50^{\circ}\text{C}$
- **TIME RESPONSE** (*96% of value in moving gas*) : **0.1 Secs**
- **MEASUREMENT RANGE** :  $-100$  TO  $750^{\circ}\text{C}$

#### Cross-reference for compatible instruments

Suitable instruments for use with this probe

TME PART No	DESCRIPTION	APPLICATION
MM2000	SINGLE INPUT INSTRUMENT	HIGH ACCURACY TEMPERATURE MEASUREMENT
MM2005	INSTRUMENT WITH HOLD	HIGH ACCURACY INSTRUMENT WITH HOLD FUNCTION
MM2010	MAX / MIN HOLD INSTRUMENT	HIGH ACCURACY INSTRUMENT WITH MAX, MIN AND HOLD FEATURES
MM2020	DIFFERENTIAL INSTRUMENT	DUAL INPUT INSTRUMENT FOR DIFFERENTIAL MEASUREMENTS
MM2030	THERMOCOUPLE SIMULATOR	HIGH ACCURACY SIMULATOR WITH MEASUREMENT FACILITY
MM7000	BARCODE SCANNING INSTRUMENT	HIGH ACCURACY INSTRUMENT WITH BARCODE SCANNING FACILITY
MM7005	BARCODE INSTRUMENT USB	BARCODE SCANNING INSTRUMENT WITH USB INTERFACE
MM7010	LOGGING INSTRUMENT	DATA LOGGING INSTRUMENT WITH BLUETOOTH CONNECTION