

## Temperature Probe

### GENERAL DESCRIPTION

The MVP ICON Temperature Probe is a thermistor housed in a stainless steel probe designed for general purpose measurements in a range from -20 °C to 105 °C. The MVP ICON Temperature Probe can only be used in combination with the LIGHTNING MVP ICON™ instrument. Any other combination might cause loss of performance or irreversible damage to both probe and instrument.

Part No. 78087-00

### KIT COMPONENTS

Each MVP ICON Temperature Probe kit contains one probe.

### TEST PROCEDURE

#### A. Using the MVP ICON Temperature Probe

- Ensure that the probe is securely connected to the MVP ICON instrument. Insert the MVP ICON Temperature Probe into the sample. Follow instructions on the MVP ICON instrument to complete the reading. Results will display on the instrument in either degrees Fahrenheit or degrees Celsius, as selected by the user.
- When using the MVP ICON Temperature Probe with semi-solids, insert probe to desired depth then rotate left to right several times and tilt to ensure sample contact.
- If the sample temperature is fluctuating, the MVP ICON Temperature Probe will need to stabilize before a reading is given.
- The probe should be rinsed thoroughly with deionized water between samples. When testing is complete, clean with water and a laboratory detergent and rinse with deionized or distilled water.

#### B. Calibration

The MVP ICON Temperature Probe features a single-point calibration at a known temperature. Any known temperature within the operating range may be selected for calibration.

**Note:** The calibration is most accurate when a temperature close to the sample temperature is selected.

- From the MVP ICON instrument menu, select "Calibration" ensuring the device is in Temperature mode.
- Insert the probe into a liquid of desired temperature, enter the known calibration temperature, when prompted, and press "Calibrate."

### STORAGE

Clean probe thoroughly with water and a mild detergent solution. Rinse with deionized or distilled water. Store in original box when not in use.

### PRECAUTIONS

The MVP ICON Temperature Probe is rugged and durable and requires little maintenance. To ensure lasting performance read and follow all operating guidelines.

Avoid exposure to prolonged immersion in samples at either end of the operating range of temperatures.

Do not use the probe outside the specified temperature range (see **GENERAL DESCRIPTION**) as this might result in probe failure or irreversible damage to the probe.

Samples must be liquids or semi-solids.

### SPECIFICATIONS

Sensor:	Thermistor
Temperature range	-20 °C to 105 °C
Resolution	0.1 °C
Accuracy	± 0.5 °C

### WARRANTY

BioControl Systems, Inc. (BCS) warrants this product to be free from defects in materials and workmanship, when stored under label conditions and used as intended for 6 months from date of purchase. BCS agrees during the applicable warranty period to replace all defective products after return to BCS. BCS shall not have obligation under this Limited Warranty to make replacements which result, in whole or in part, from negligence of the Buyer, or from improper use of the products, or use of the product in a manner for which it was not indicated. Buyer shall notify BCS of any product which it believes to be defective during the Warranty period. At BCS option, such product shall be returned to BCS, transportation and insurance prepaid. BCS shall replace any such product found to be defective, at no charge. Should BCS examination not disclose any defect covered by the foregoing warranty, BCS shall so advise Buyers and dispose of the product in accordance with Buyer's instructions.

©BioControl Systems, Inc. 2013. Printed in USA. LIGHTNING MVP ICON is a trademark of BioControl, pending registration. US patents No. 7,399,984; 7,544,961; 7,030,403; 6924498.

Australian patents 2002357107; 2003231770. New Zealand patents 533051, 535819. Japanese patents 4,467,304; 4,431,034. Mexico patents 259897; 246269; 272356. All rights reserve

Distribué par :

Z.A de Gesvrine – 4 rue Képler – B.P.4125  
44241 La Chapelle-sur-Erdre Cedex – France  
t. : +33 (0)2 40 93 53 53 | f. : +33 (0)2 40 93 41 00  
commercial@humeau.com



w w w . h u m e a u . c o m