



TECHNOLOGY IN TEMPERATURE

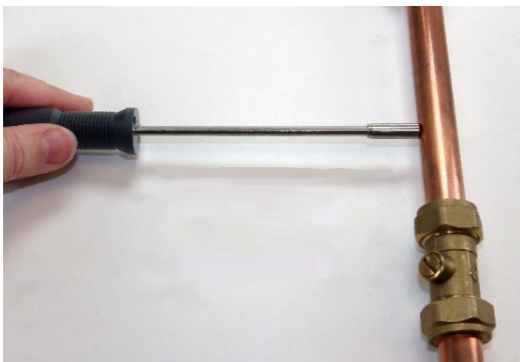
Pocket Guide to Legionella Water Temperature Monitoring



www.tmethermometers.com

Taking temperature of water pipe surfaces

It is usually necessary to measure water pipe temperatures at TMV inlets, calorifier flow and return pipes and other points where use of an immersion probe is not possible. You will need an accurate handheld digital thermometer with a suitable probe. We recommend TME's **MM2008** thermometer with a **KS07** Surface Probe.



Testing Tips

- Choose a smooth area of pipe for a more accurate result;
- Using very light pressure, apply the tip of the probe to pipe;
- Keep the probe still and avoid rotation to extend the life of your probe.

For combined pipe surface and running water, choose the KS20-S Dual Purpose Probe.

Taking temperature of running water

- Run the tap for the prescribed time*;
- Place the end of the probe in the water flow making sure the last 10mm is immersed;
- Once the reading on your thermometer has stabilised you can record the temperature;
- Note that if a TMV is fitted, you will need to take the surface temperature of the hot water pipe before it enters the valve.

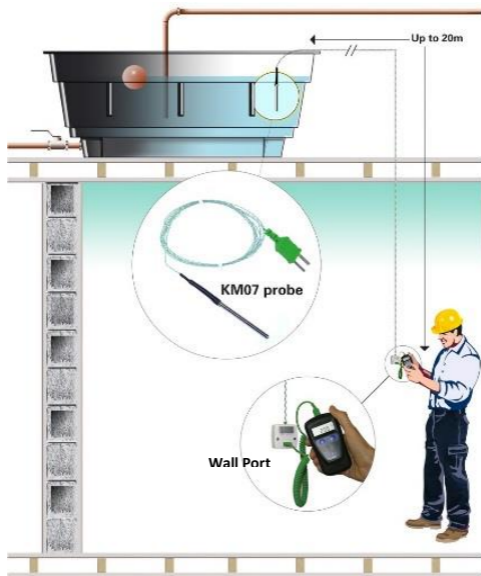


We recommend TME's **MM2008** thermometer with a **KM03** Immersion Probe, or why not use our **KS20-S** Dual Purpose Probe

*The **MM2008** and **MM7000-2D** have a built-in timer for hot and cold running time

Temperature points with difficult access

If you have pipes that are boxed-in or located at height, consider using a fine wire probe with the **TCWallPort**, TME's wall-mounted thermocouple monitoring point. Simply attach the probe to the pipe and run the wire up to the port.



Now plug your thermometer into the port with the **KMPC2MP** connector cable provided for an instant temperature reading. Accuracy is guaranteed up to 20m away. The system can also be used with TME's **KM07** immersion probe for water tanks.

Using barcodes in water temperature testing



Traceable records are a vital part of any water temperature compliance procedure. Barcode technology offers an effective method of guaranteeing these records. Barcodes can be

displayed on any test point, they're easy and free to generate to your own specifications, and they can identify test points instantly.

TME's range of **MM7000** Barcode-reading thermometers record time, date and temperature of each test point, together with its unique location. Achieve paperless records by downloading readings via Bluetooth or USB to PC, smartphone or tablet. Export to a spreadsheet to generate digital temperature logbooks.

Digital Logbook

The screenshot shows the ThermoScan software interface. At the top, it displays the TME logo and contact information for T.M.Electronics (UK) Ltd. The 'Instrument Selected' section shows 'Name: tomis' and 'Serial No: 123456'. Below this is a 'Message Box' and a table of recorded data.

| SCOR | Serial No | Time | Date | Temp | SCI | Alarm | Barcode | Transmittion |
|------|-----------|----------|----------|------|-----|-------|------------------|--------------|
| 1 | 555555 | 16:00:30 | 21/10/13 | 19.6 | C | NO AL | Chiller1 | |
| 2 | 555555 | 16:01:19 | 21/10/13 | 19.0 | C | LAL | Chiller1 | |
| 3 | 555555 | 16:19:02 | 22/10/13 | 61.6 | C | NO AL | 079377075101 | |
| 4 | 555555 | 16:36:50 | 20/11/13 | --- | C | NO AL | 2137DMG1 | |
| 5 | 555555 | 16:41:04 | 20/11/13 | --- | C | NO AL | 2137DMG1 | |
| 6 | 555555 | 16:41:14 | 20/11/13 | --- | C | NO AL | 2137DMG1 | |
| 7 | 555555 | 16:42:10 | 20/11/13 | --- | C | NO AL | 2137DMG1 | |
| 8 | 555555 | 16:42:58 | 20/11/13 | 20.7 | C | NO AL | 2137DMG1 | |
| 9 | 555555 | 16:49:30 | 20/11/13 | 21.2 | C | NO AL | 2137DMG1 | |
| 10 | 555555 | 13:00:13 | 24/01/14 | 20.1 | C | LCG | WASART27AP3 | |
| 11 | 555555 | 13:00:21 | 24/01/14 | 20.0 | C | LCG | Top 1 | |
| 12 | 555555 | 13:00:30 | 24/01/14 | 20.0 | C | LAL | Chiller1 | |
| 13 | 555555 | 13:00:40 | 24/01/14 | 19.0 | C | LAL | MeatFridge | |
| 14 | 555555 | 13:00:50 | 24/01/14 | 19.2 | C | LAL | HotPlate 7 | |
| 15 | 555555 | 13:00:59 | 24/01/14 | 18.9 | C | LAL | DCC708FJSG15FP10 | |
| 16 | 555555 | 13:09:09 | 24/01/14 | 18.9 | C | OK | RSC09R17SP1 | |
| 17 | 555555 | 13:09:19 | 24/01/14 | 18.9 | C | OK | PR1 D2R21TF1 | |
| 18 | 555555 | 13:09:31 | 24/01/14 | 19.0 | C | LAL | UT2653215EDP17 | |



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When Temperature Matters



For advice on your temperature monitoring regime, contact our friendly sales team today – and don't forget to ask about our ***Thermometer for Life*** guarantee!

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 @TMElectronics

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