TM Electronics (UK) Limited

Legionnaires temperature kit

Helping to Prevent Disease

What is Legionnaires' Disease?

Legionnaires' disease is a potentially fatal form of pneumonia. The cause of the disease is the bacterium, legionella pneumophila.

What are the sources of legionella bacterium?

The legionella bacteria multiply in stagnant water at temperatures between 20-45°C e.g. in ponds and rivers or in buildings containing cooling towers, evaporation condensers, air conditioning and industrial cooling systems, humidifiers, spa baths and hot and cold water systems.

Kit Contents

- MM2000 DIGITAL THERMOMETER**
- TM03 IMMERSION TEMPERATURE PROBE**
- TS04 SURFACE TEMPERATURE PROBE**
- CARRYING CASE
- TEMPERATURE LOG BOOK
- LEGIONELLA INFORMATION BOOKLET

***please refer to the Parameters Section overleaf*

ORDER CODE

LEGK1

TECHNOLOGY IN TEMPERATURE

Why Use a Temperature Kit?

Incorrect water temperature is a key risk factor for legionella growth. The legionella bacteria multiply in water temperature between 20-45 °C.

A typical method of control is to store hot water above 60°C and distribute it at above 50°C. Cold water should be kept below 20°C.

How to Use the Temperature Kit

The kit may be used to monitor the temperature of both standing water and the surface of pipes and tanks that form part of a water system.

The immersion probe should be placed in the water to a minimum depth of 25mm, the temperature can then be logged in the book provided. The surface probe may be used to take the temperature of pipes and tanks, which then may be recorded in the log book provided.

Further copies of the log book are available from TME or alternatively downloaded as a "Word" document from the TME website **www.tmelectronics.co.uk**

New Legal Responsibilities

The revised Approved Code of Practice (ACOP) issued by the Government's Health and Safety Executive (HSE) significantly extends the scope of its guidance on control of legionella bacteria in water.

All employers who manage premises with hot/cold water systems and/or wet cooling systems have a legal responsibility to identify any risk of contamination and to prevent or control it.

Risk Areas - A wide range of workplaces but particularly residential accommodation managed privately or by organisations e.g. local authorities, universities, hospitals, nursing and care homes, housing associations, charities, hostels, private landlords, managing agents, hoteliers and holiday accommodation providers, including B&B, guest house and camping and caravan site owners

Reference Documents*

(available from the Health & Safety Executive website www.hse.gov.uk)

- Health and Safety Executive/Local Authorities Enforcement Liaison Committee (HELA) Local Authority Circular (OC 255/11)
- Legionnaires' disease - A guide for Employers (HSE)
- Legionnaires' disease – essential information for providers of residential accommodation (HSE)

** Whilst the information in this datasheet has been compiled using the reference documents above, it should not be used as sole guidance for the prevention of the spread of legionella bacterium. It is only intended to form part of a wider risk assessment and prevention/control strategy.*

Parameters

MM2000 DIGITAL THERMOMETER
Measurement Range : -200 to 1372°C
Accuracy @ 23°C: ±0.2°C ±0.15% of reading
Battery: PP3

TS04 SURFACE TEMPERATURE PROBE
Temperature Range: -50 to +250
Probe Dimensions: 110mm x 8.5mm
Fitted with 2m curly cable plus miniature plug

TM03 IMMERSION TEMPERATURE PROBE
Temperature Range: -50 to +400
Probe Dimensions: 100mm x 3mm
Supplied with 2m curly cable plus miniature plug

All Your Temperature Needs

TME manufactures a comprehensive temperature range, including industrial waterproof thermometers, affordable high quality handheld thermometers, wireless equipment, data loggers and other instruments.

We also specialise in manufacturing probes and sensors - including more than **600 designs** - which can be tailored to a wide variety of applications.

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