WAVETREND))

Wavetrend's Water Temperature Monitor enables businesses to cost effectively meet their statutory obligations to provide healthy water and safe supply systems.

The risk of legionella bacterium, together with scalding and freezing conditions, is mitigated by actively monitoring hot, cold, and blended outflows. Alerts and daily reports are provided via a low power radio network to ensure that timely action can be taken. With a battery life of over 10 years, the device provides an attractive alternative to traditional inspection visits.

WATER TEMPERATURE MONITOR

Key Features	Benefits
Daily reports	Enables statutory record keeping requirements to be met
Real time temperature alerts	Allows proactive and timely response, for example to scald events
Easy installation	Clip-on pipe sensors and flanged screw mount enclosure mean fast, straightforward installation
Configurable temperature thresholds	Flexibility to configure individual devices based on local health and safety regulations
Over-the-air configuration	Allows device configuration to be updated whilst in-service and ensures real time clock synchronisation
LoRaWAN radio performance	Robust communication ensures reliable delivery of report messages
Long battery life	Long service life with minimal maintenance visits

WATER TEMPERATURE MONITOR

Specifications

Environmental

Operating temperature	-10 to +60 °C
Relative humidity	95% non-condensing
Ingress protection	IP54

Physical

Size	130mm x 65.5mm x 25.5mm
Weight	130g, excluding sensors
Colour	White
Material	ABS (UL94-V0)

Power

Type	'A' size, primary lithium-thionyl chloride (Li-SOC12) battery
Voltage	3.6V
Capacity	3,600mAh
Compliance	Compliant with IEC 60086-4 safety & IEC 60079-11 intrinsic safety (class T3)
Transport	Non-restricted for transport, not assigned to Class 9 according to the UN recommendations on the transport of dangerous goods

Radio

Frequency	868MHz
Network	LoRaWAN
Antenna	Integrated, 2.5dBi
EIRP	16dBm maximum, software configurable

Temperature Sensors

Type	Up to 3 NTC thermistor temperature sensors with pipe clip fixings
Range	-27 to +100°C
Accuracy	1%
Pipe clips	To suit a range of pipe diameters
Cable	1m length standard, terminated with Molex SL series plug

Certification (pending)

CE/radio equipment directive (RED) interface	RF exposure - EN 62479 Safety – EN/IEC 62368 EMC - ETSI EN 301 489-1/3 RF - ETSI EN 300 220-1/2
Ingress protection	Testing to IP54 standard

To order or for further information ....

WAVETREND))

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