



# TRAMEX TREMS-10 Remote Environmental Monitoring System User Guide

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## TRAMEX TREMS-10 Remote Environmental Monitoring System



## Product Information

The TRAMEX REMOTE ENVIRONMENTAL MONITORING SYSTEM TREMS-10 is a comprehensive kit designed for remote environmental monitoring. It includes various components such as Tramex Cloud Sensors, Tramex Cloud Station, a Heavy Duty Protective Carry Case, Tramex Cloud Software Monitoring platform, and Antennae for the Cloud Station.

- Product Code: TREMS-10
- Product Version: TREMS EU 04/22 REV.1.1

## Kit Contents

1. 10 x CS-RHTA Tramex Cloud Sensors
2. 1 x Tramex Cloud Station
3. 1 x Heavy Duty Protective Carry Case
4. Tramex Cloud Software Monitoring platform (Tablet not included)
5. Antennae for Cloud Station

## TRAMEX CLOUD SENSOR – SPECIFICATIONS & MEASURING RANGE

- Size: 100mm x 90mm x 35mm (3.94 x 3.54 x 1.38 inches)
- Weight: 100g (3.53 ounces)
- Power: Built-in CR123A battery with up to 15-year lifespan
- Construction: ABS enclosure
- Included: Wall Mounting

## RELATIVE HUMIDITY SENSOR SPECIFICATIONS

- Range: 0 to 100%RH
- Resolution: 0.1% over the complete range
- Drift: [No value provided in the text-extract]

## Product Usage Instructions

To use the TRAMEX REMOTE ENVIRONMENTAL MONITORING SYSTEM TREMS-10, follow these steps:

1. Open the kit and ensure that all the components mentioned in the kit contents are present.
2. Find a suitable location to mount the Tramex Cloud Station, ensuring it is within range of the Tramex Cloud Sensors.
3. Install the Tramex Cloud Software Monitoring platform on a tablet (not included).
4. Scan the QR code on the back of each Tramex Cloud Sensor using your tablet's camera.
5. In your Cloud account, click on 'register' to easily register each sensor.
6. Mount the Tramex Cloud Sensors in desired locations using the included wall mounting accessories.

Once the sensors are registered and installed, the Tramex Cloud Software Monitoring platform will provide you with real-time data on environmental conditions such as relative humidity.

**Note:** For detailed instructions on using the Tramex Cloud Software Monitoring platform, please refer to the software's user manual or online documentation.

## TRAMEX REMOTE ENVIRONMENTAL MONITORING SYSTEM TREMS-10

The Tramex Remote Environmental Monitoring System has been designed and developed by Tramex for professionals who depend on the most accurate, reliable, real-time building environment temperature and relative humidity readings using state-of-the-art technology to respond quickly to environmental changes and notify users. The TREMS-10 comprises 10 CS-RHTA Tramex Cloud Sensors and a Tramex Cloud Station router. Multiple Sensors can be used with one Station and additional sensor Accessory Packs are also available. Registration and on-site set-up is simple using a QR code check-in procedure. The on-site Sensors, with a battery life of up to 15 years, transmit relative humidity, temperature ( $^{\circ}\text{C}$  and  $^{\circ}\text{F}$ ), dew point, and grains per pound/grams per kilo readings wirelessly via the Tramex Cloud Station enabling remote monitoring of up to 200 on-site Sensors on the Tramex Cloud platform. Tramex Cloud is a secure platform to store and report your moisture, temperature, and relative humidity measurements, get notified of adverse conditions, and quickly monitor your status from any browser. There are no subscription fees and there is free data with the Tramex Remote Environmental Monitoring System.



## KIT CONTENTS

1. 10 x CS-RHTA Tramex Cloud Sensors
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## SPECIFICATIONS

Sensors can be easily registered by scanning the QR code on the back of the instrument and clicking 'register' in your Cloud account.



- Size: 100mm x 90mm x 35mm (3.94" x 3.54" x 1.38")
- Weight: 100g (3.53oz)
- Power: Built-in CR123A battery with up to 15-year lifespan
- Construction: ABS enclosure
- Included: Wall Mounting
- Transmission Range: Over 3kms line-of-sight
- Communication Frequency: Multiple readings per hour
- Identification: Items are individually coded for ease of installation and logging identification.

## RELATIVE HUMIDITY SENSOR SPECIFICATIONS

- Exceptional Accuracy:  $\pm 1.5\%$  RH Range 0% to 80% RH
- $\pm 2.0\%$  RH Range 80% to 99% RH (@ 25°C (77°F))
- Range: 0 to 100% RH
- Resolution: 0.1% over the complete range
- Drift:  $< 0.25\%$  RH per year
- TEMPERATURE SENSOR SPECIFICATIONS:
- Exceptional Accuracy:  $\pm 0.1$  °C Range 20°C to 60°C
- ( $\pm 0.1$ °F Range 68°F to 140°F)
- Range: -40°C to 125°C (-40°F to 257°F)
- Sensor Protection: PTFE Film protects the sensor opening from water & dust
- Drift:  $< 0.03$ °C (0.04°F) per year

## TRAMEX CLOUD STATION



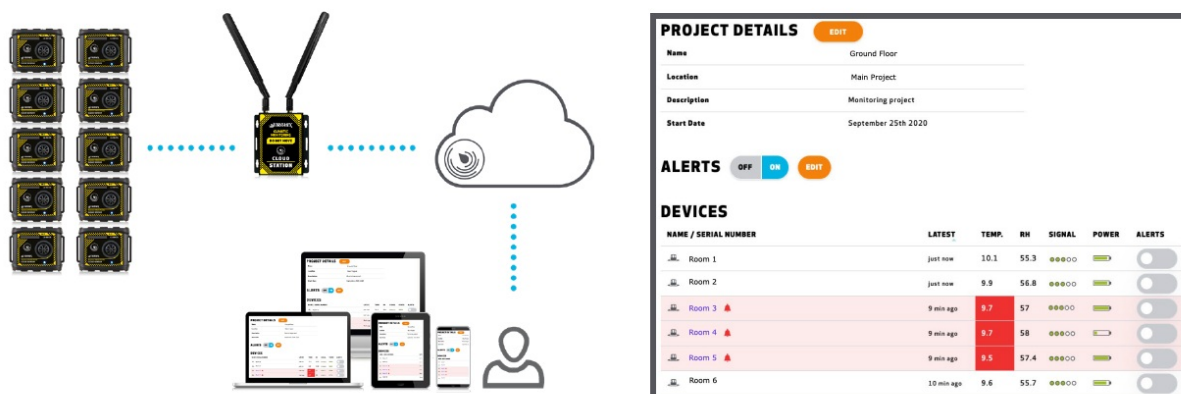
- Size: 130mm x 115mm x 30mm (5.12" x 4.53" x 1.19")
- Weight: 270g (9.5oz)
- Power: Universal AC Power Adapter

- Construction: Wall-mountable Industrial Aluminium
- Frequency: Region Specific frequency available
- Security: WPA2-PSK encryption, no unwarranted telemetry/tracking.

The Cloud Station can be easily registered by scanning the QR code on the back of the instrument and clicking 'register' in your Cloud account.

## TRAMEX CLOUD

The Tramex Cloud stores all your project details and logging information securely and allows for remote monitoring.



## Detailed logging charts

Data is stored free of charge for a period of 2 years, after which, following our data retention policy, you will need to download it.



## KIT SPECIFICATIONS

- Size: 510mm x 410mm x 160mm (21.1" x 16.1" x 6.3")
- Power: 10 x CR123A 3-volt batteries (included)
- Weight: 4 .5kg (9.9lbs)

[sales@tramexmeters.com](mailto:sales@tramexmeters.com)

## Documents / Resources



[TRAMEX TREMS-10 Remote Environmental Monitoring System](#) [pdf] User Guide  
TREMS-10, TREMS-10 Remote Environmental Monitoring System, Remote Environmental Monitoring System, Environmental Monitoring System, Monitoring System

## References

-  [Tramex Moisture Meters | Moisture and Humidity Detection](#)