# TRAMEX REMOTE ENVIRONMENTAL MONITORING SYSTEM TREMS-100



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-100 comprises 100 CS-RHTA Tramex Cloud Sensors and a 4 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 battery life of up to 15 years, transmit relative humidity, temperature (°C and °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 status from any browser. There are no subscription fees and there is free data with the Tramex Remote Environmental Monitoring System.



Product Code: TREMS-100

- 1. 100 x CS-RHTA Tramex Cloud Sensors
- 2. 4 x Tramex Cloud Station
- 3. 1x Heavy Duty Protective Carry Case
- 4. Tramex Cloud Software Monitoring platform (Tablet not included)
- 5. Antennae for Cloud Station







## **SPECIFICATIONS**

#### **TRAMEX CLOUD SENSOR - SPECIFICATIONS & MEASURING RANGE**



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

Size:	3.94" x $3.54$ " x $1.38$ " ( $100$ mm x $90$ mm x $35$ mm)	Transmission Range:	Up to 2 miles line-of-sight
Weight:	3.53oz (100g)	Communication Frequency:	Multiple readings per hour
Power: Bu	uilt in CR123A battery with up to 15 year lifespan	Identification: Items individually	coded for ease of install and
Construct	ion: ABS enclosure		logging identification.
Included:	Wall Mounting		

RELATIVE HUMIDITY SEN	SOR SPECIFICATIONS
Exceptional Accuracy	±1 E0/DU Danga 00/ +

Exceptional Accuracy: ±1.5%RH Range 0% to 80%RH ±2.0%RH Range 80% to 99%RH (@ 77°F (25°C))

Range: 0 to 100%RH
Resolution: 0.1% over the complete range
Drift: <0.25%RH per year

#### **TEMPERATURE SENSOR SPECIFICATIONS:**

Exceptional Accuracy:  $\pm 0.1^{\circ}F$  Range  $68^{\circ}F$  to  $140^{\circ}F$  ( $\pm 0.1^{\circ}C$  Range  $20^{\circ}C$  to  $60^{\circ}C$ )

Range:  $-40^{\circ}F$  to  $257^{\circ}F$  ( $-40^{\circ}C$  to  $125^{\circ}C$ )

Sensor Protection: PTFE Film protects sensor opening

from water & dust

Drift: <0.04°F (0.03°C) per year

#### TRAMEX CLOUD STATION



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.

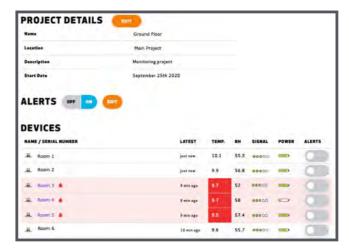
Size: 5	5.12" x 4.53" x 1.19" (130mm x 115mm x 30mm)	Frequency:	Region Specific frequency available
Weight:	9.5oz (270g)	Security:	WPA2-PSK encryption,
Power:	Universal AC Power Adapter		no unwarranted telemetry/tracking.
Constructi	ion: Wall-mountable Industrial Aluminium		

## **SPECIFICATIONS**

### **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: 21.1" x 16.1" x 6.3" (510mm x 410mm x 160mm) Weight: 9.9lbs (4.5kg)

Power: 10 x CR123A 3-volt batteries (included)

