TRAMEX REMOTE ENVIRONMENTAL MONITORING SYSTEM WME/MC

The Tramex Remote Environmental Monitoring System WME/MC allows for Moisture Content (%MC) monitoring in wood and Wood Moisture Equivalent (WME) monitoring in a variety of building materials such as wood-based products, drywall or plasterboard. Additionally, the system enables ambient temperature and relative humidity monitoring to ensure optimal environmental conditions. Designed and developed by Tramex, this state of the art technology can notify users allowing for quick response to in-situ and environmental changes. The TREMS-WME/MC kit comprises a Tramex Cloud Station router, 5 CS-RHTX Tramex Cloud Sensors for ambient conditions, and 5 external WME/MC probes. Multiple Sensors can be used with one Station and additional Sensor and WME/MC probe Accessory Packs are also available, meeting your specific monitoring requirements. 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 (ºC and ºF), dew point, grains per pound / grams per kilo and WME/MC 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 WME/MC.

KIT CONTENTS

Product Code: TREMS-WME/MC

1. 5 x CS-RHTX Tramex Cloud Sensors
2. 5 x WME/MC electrode probes
3. 1 x Tramex Cloud Station
4. 1 x Heavy Duty Protective Carry Case
5. Tramex Cloud Software Monitoring platform (Tablet not included)
6. Antennae for Cloud Station

AMBIENT RH, T, DP, g/kg

WME REFERENCE READING RANGE 0-100

TRAMEX CLOUD

ONLINE INFO

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:	100mm x 90mm x35mm (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 individually coded for ease of install and logging identification.

RELATIVE HUMIDITY SENSOR SPECIFICATIONS

Exceptional Accuracy:	±1.5%RH Range 0% to 80%RH
	±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:	±0.1 °C Range 20°C to 60°C
	(±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 sensor opening from water & dust
Drift:	<0.03°C (0.04°F) per year

WME/MC PROBE

The resistance-type probe measures the percentage moisture content (%MC) of wood and WME (Wood Moisture Equivalent) readings in other building materials such as wood-based products, Drywall or Plasterboard.

TRAMEX CLOUD STATION
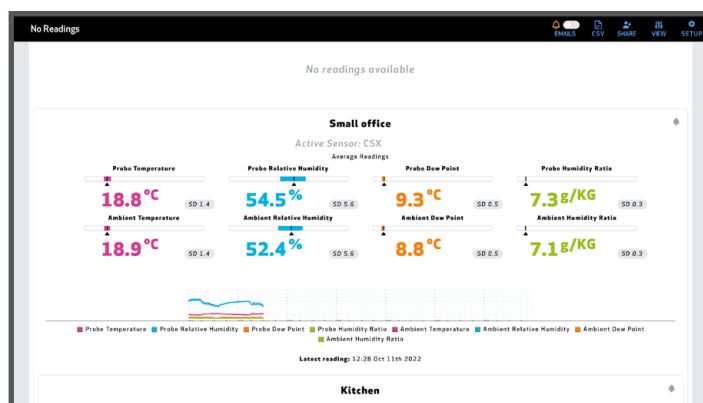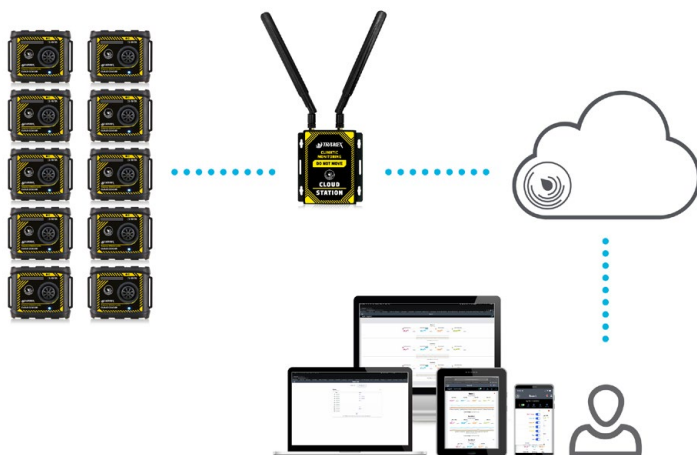

The Cloud Station can be easily registered by scanning the QR code on the back of the instrument and clicking 'register' in your Cloud account.

Size:	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

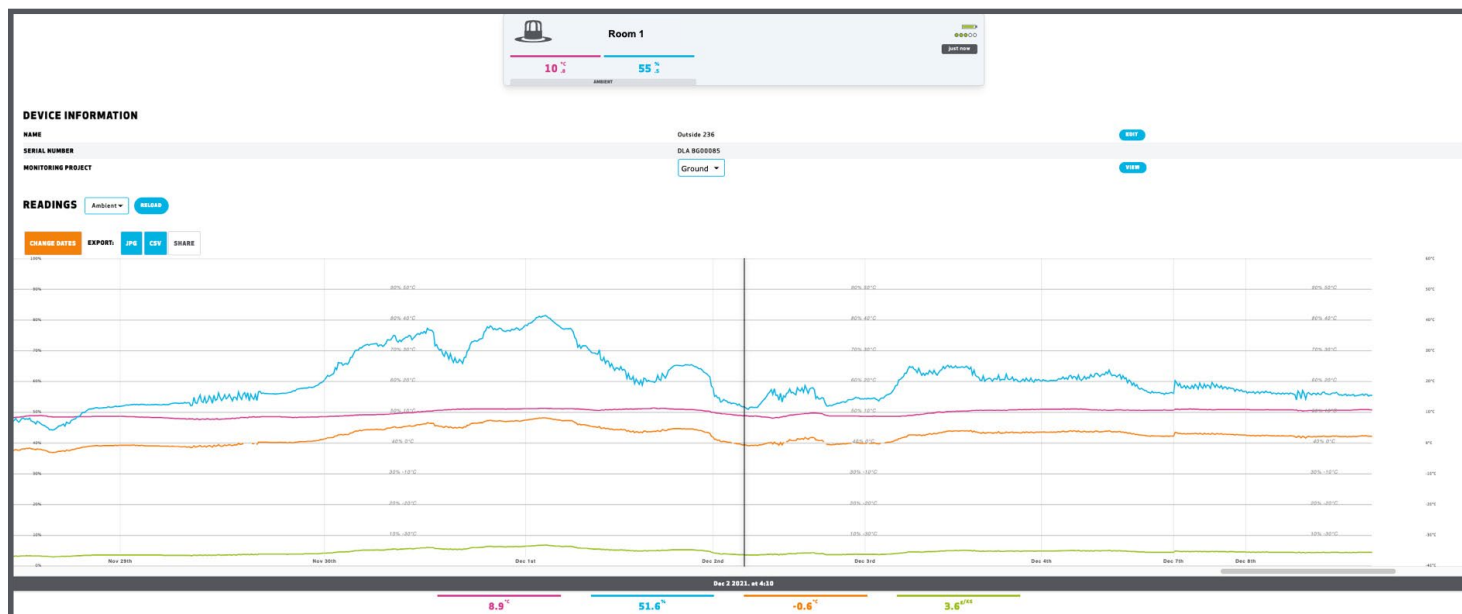|	
Frequency:	Region Specific frequency available
Security:	WPA2-PSK encryption, no unwarranted telemetry/tracking.

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:	43.5cm x 36cm x 14cm (17.1" x 14.2" x 5.5")	Weight:	3.56kg (7.6lbs)
Power:	5 x CR123A 3-volt batteries (included)		