

# RELATIVE HUMIDITY PROBES



The Tramex Relative Humidity Probes are the most advanced, resilient and re-usable RH probe on the market today, allowing the user to evaluate moisture conditions within the building structure. The different lengths and thicknesses make them ideal for use by Flood and Water Damage Restoration as well as Building Survey professionals. The probes, which house the latest Hygro-i2 technology, measure Relative Humidity, Temperature, Dewpoint temperature and grains per pound humidity ratio. The probes can be used for the evaluation of moisture conditions of wall and cavity structures as well as ambient air conditions within the building envelope. The speed and accuracy of the Tramex Hygro-i2® probes set them apart from all other RH probes on the market. The confidence in knowing you are testing with the best and fastest RH probe brings reliability and peace of mind to a whole new level.



1. In Situ and Ambient RH Narrow Probe.  
**Product Code RHP-NWB**  
(for CMEX2 and MRH3 Product Code RHP-NW)



2. In Situ and Ambient RH Short Narrow Probe.  
**Product Code RHP-SNWB**  
(for CMEX2 and MRH3 Product Code RHP-SNW)



3. In Situ and Ambient RH Short Probe.  
**Product Code RHP-SWB**  
(for CMEX2 and MRH3 Product Code RHP-SW)

## FEATURES

- Fast Acclimation and Temperature response time.
- Proven robustness, Durable and Reusable.
- Best in class accuracy and reliable, even at high RH >90%.
- Measures giving in situ relative humidity and ambient RH, temperature, dew point temperature & grains per pound.
- Relative Humidity range: 0% → 100%
- Temperature Range: -40°F → 176°F (-40°C → 80°C)
- Best temperature accuracy of +/-2° over 32°F → 194°F (0°C → 90 °C)

Ambient RH conditions



# PRODUCT DESIGN

Used in conjunction with the Tramex CMEX5, CMEX II or the Tramex MRH III non-destructive moisture meters, the probes provides measurements of relative humidity, temperature, dew point and grains per pound in structural materials such as concrete flooring and walls, as well as the ambient conditions within the building envelope, all shown simultaneously on one clear display. The probes are reusable and calibration checks can be carried out using the calibration check salts.

# DIMENSIONS

Diameter  $\varnothing$ : 10mm  
Length: 4.5" (110mm)



Diameter  $\varnothing$ : 4mm  
Length: 5" (127mm)



Diameter  $\varnothing$ : 4mm  
Length: 10.23" (260mm)

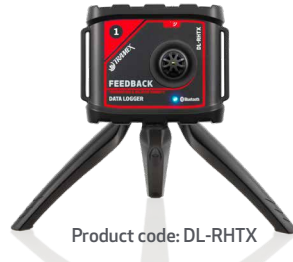


# INSTRUMENTS

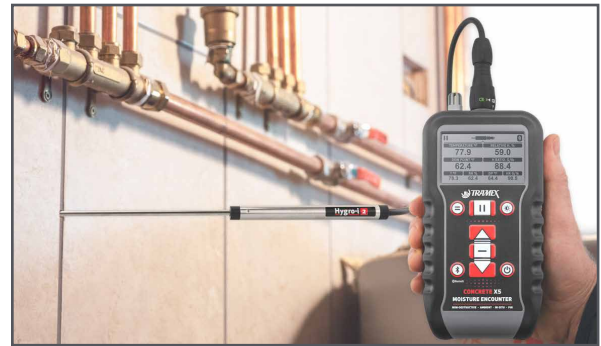
The probes can be used with the CMEX5, Feedback Datalogger RHTX, CMEX II or the MRH III for relative humidity testing in building structures and ambient conditions.



Product code: CMEX5



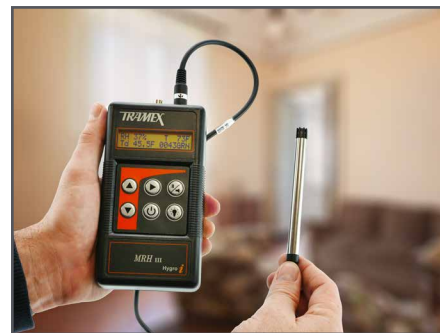
Product code: DL-RHTX



Product code: CMEX2



Product code: MRHIII



# SPECIFICATIONS

## RELATIVE HUMIDITY SENSOR SPECIFICATIONS:

Range: 0 to 100%RH  
Accuracy: 0% to 99%RH  $\pm$ 2.0%RH (@ 25°C (77°F))  
Resolution: 0.1% over the complete range  
Drift: <0.25%RH per year

NIST traceable. (National Institute of Standards and Technology)

## TEMPERATURE SENSOR SPECIFICATIONS:

Range: -40°F to 257°F (-40°C to 125°C)  
Accuracy:  $\pm$ 0.1°F Range 68°F to 140°F  
( $\pm$ 0.1 °C Range 20°C to 60°C)

Sensor Protection: PTFE Film protects sensor opening from water & dust

Drift: <0.04°F (0.03°C) per year