

## MEETING THE STANDARDS

For the evaluation of moisture conditions of concrete and other floor slabs, and ambient air conditions, by relative humidity measurement as per ASTM F2170 & ASTM F2420.



Hygro-i-US 04/14 REV.1.2

The Tramex Hygro-i ® relative humidity probe is the most advanced, resilient and reusable RH probe on the market today, allowing the user to perform in situ and hood type RH testing to comply with ASTM F2170 and ASTM F2420 for the flooring industry, and is ideal for use by Flood & Water Damage Restoration and Indoor Air Quality professionals.



The Hygro-i ® probe is available in packs of:

Number of probes	Product code
1	HIPP1
3	HIPP3
6	HIPP6
12	HIPP12
25	HIPP25
50	HIPP50
100	HIPP100

## FEATURES

- Fast acclimation time.
- Reusable Hygro-i ® Relative Humidity sensors prove to be the lowest cost per ASTM F2170 test.
- Accurate, durable and best in class.
- Testing per ASTM F2170 and ASTM F2420, giving in situ relative humidity and ambient RH, temperature, dew point temperature & grains per pound.
- Relative Humidity range: 0% to 99%
- Temperature Range: -40°F to 176°F (-40°C to 80°C)



# PRODUCT DESIGN

Used in conjunction with the Tramex CMEX II or the Tramex MRH III non-destructive moisture meters, the Hygro-i ® probe 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 Hygro-i ® probes are reusable, paying for themselves after a few uses compared to single-use, disposable RH probes. Calibration checks can be carried out at any time using the calibration check salts.

# INSTRUMENTS

The Hygro-i ® probe is used with the CMEX II or the MRH III for relative humidity testing of flooring slabs and ambient conditions.



Product code: CMEX2



Product code: MRHIII

# TESTS

The Hygro-i ® probe is used to carry out in situ RH tests (ASTM F2170) and hood RH tests (ASTM F2420).

# SPECIFICATIONS

Hygro-i ® probe

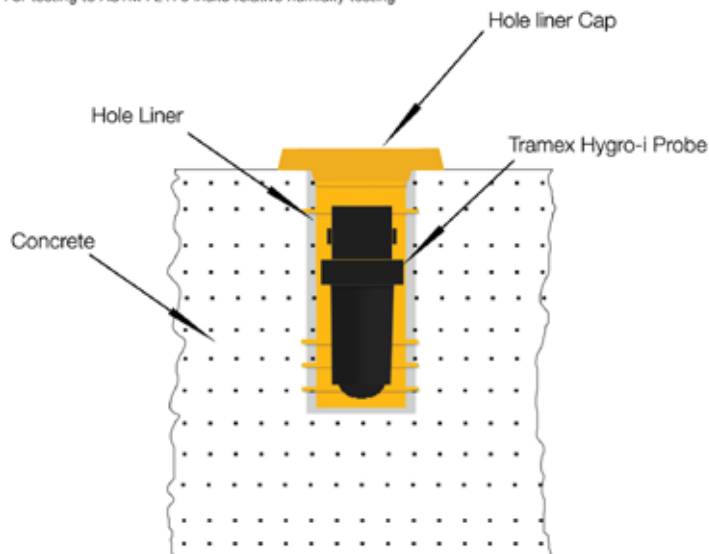
**Reusable Ambient RH Probe tests:** Temperature, RH %,Dew Point, Mixing Ratio  
**Humidity Range:** 0% - 99% RH  
**Temperature Range:** -40°F to 176°F (-40°C to 80°C)  
**RH Response time:** 8 sec  
**Temperature Response time:** min. 5 secs. - max. 30 secs.  
**Humidity Accuracy:** 10% to 90%RH +/-1.8% @ 25°C / 77°F  
**Temperature Accuracy:** +/- 0.5°F / 0.3°C  
**NIST traceable.** (National Institute of Standards and Technology)



# HOW IT WORKS

## Tramex Hygro-i Probe

For testing to ASTM F2170 insitu relative humidity testing



# KITS

The Hygro-i ® Probe is an integral part of the following kits:

- Concrete Inspection Kits
- Flooring Inspection Kits
- Roof Inspection Kits
- Water Damage Restoration Kits
- Indoor Air Quality Kits

