

The Tramex Hygrohood can be used in conjunction with the TREMS-Xtra Remote Environmental Monitoring System to monitor the relative humidity and temperature of concrete and cementitious structures remotely and overtime. Each or any of the Cloud Sensors in your system can be connected to a Hygrohood onsite to 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 and Hygrohoods on the Tramex Cloud platform.



Product Order Code: RHH

## FEATURES



NON-DESTRUCTIVE

**BS**

8201

**BS**

8203

**BS**

5325

# MANUFACTURERS OR NATIONAL STANDARD RECOMMENDATIONS

When used for RH testing of concrete floors and screeds, the Tramex Hygrohood complies to British Standards codes of practice BS8201, BS8203 and BS5325 that state that a concrete floor or screed should be sufficiently dry to allow installation of a resilient floor covering and should be tested using the insulated impermeable hood method.

The Hygrohood can be used in conjunction with a Tramex external relative humidity probe and either a Tramex CMEX5 concrete moisture meter, a FeedBack Datalogger, or a TREMS-Xtra monitoring system.

## REMOTE MONITORING WITH TREMS-Xtra

The TREMS-Xtra comprises a TRAMEX Cloud Station, 5 CS-RHTX Tramex Cloud Sensors for ambient conditions, and 5 external Relative Humidity probes. These external probes extend the benefits of the remote monitoring system allowing for use with the Tramex Hygrohood as well as for in-situ readings within building structures cavities in walls and ceilings and in situ RH readings in concrete.

## REMOTE MONITORING CONCRETE

1. Before positioning the Hygrohood on the concrete, the surface should be exposed, clear of any foreign materials and swept clean of any dust or loose materials that could affect a proper seal between the hood and the surface of the concrete. Avoid testing in locations subject to direct sunlight or sources of heat.
2. Using butyl tape, seal the insulated Hood to the concrete surface.
3. Insert the external probe into the hood.
4. Connect the TREMS-Xtra system following the setup procedure for this system.

## HYGROHOOD 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)	
Hygrohood Specifications:	
Size:	195mm x 195mm x 55mm
Weight:	30g
Construction:	ABS Body

### TEMPERATURE SENSOR SPECIFICATIONS:

Range:	-40°C to 125°C (-40°F to 257°F)
Accuracy:	$\pm 0.1$ °C Range 20°C to 60°C $\pm 0.1$ °F Range 68°F to 140°F)
Sensor Protection:	PTFE Film protects sensor opening from water & dust
Drift:	<0.03°C (0.04°F) per year

