

# FEEDBACK DATA LOGGER

## TEMPERATURE AND RELATIVE HUMIDITY - DL-RHTA

The Tramex Feedback DataLogger and App have been designed and developed by Tramex for professionals who depend on accurate, reliable readings using the very best, state of the art technology. The Feedback DataLogger and App log up to 100,000 data point entries for relative humidity, temperature, dew point and grains per pound, transmitted wirelessly via Bluetooth BLE technology to your mobile device. On the App you can visualise Live Readings, Thermal Conditions and Psychrometric Charts as well as creating and exporting spreadsheets, charts and reports. The Tramex Feedback DataLogger requires the Tramex Feedback Data Logger App and a compatible iOS or Android mobile device.

### FEATURES

- Bluetooth BLE enabled for use with mobile devices.
- Up to 100,000 data point entries.
- Instant set up and start modes.
- Precise Ambient Relative Humidity and Temperature logging.
- Intuitive and instructive App interface.
- Adjustable Interactive chart, spreadsheet, report and easy-export functions.
- Connectivity up to 165ft (50 meters) for highly accessible data downloads.



**Tramex Feedback DataLogger App**  
For use with Tramex DL-RHTA and DL-RHTX Dataloggers.

Available on:



DL-RHTA-US 04/18 REV.1.0



Product order code: DL-RHTA



## SUPPORTED MEASUREMENTS

Ambient Relative Humidity, Temperature, Dew point, Grains per pound.

Psychrometric chart showing Relative Humidity, Specific Volume, Wet Bulb Temperature, Dry Bulb Temperature, Enthalpy, Humidity Ratio, Dew Point.

Contact Temperature, Estimated contact RH, Ambient Dew Point, Contact Delta Temperature (with optional contact Temperature Probe)

## DATALOGGER SPECIFICATIONS

With built-in Ambient RH + Temperature sensor; Plug-in Contact Temp Probe (optional) providing the best available accuracy tolerances of 1.5%RH & 0.1°F.

**Size:** 3.94" x 3.54" x 1.38" (100mm x 90mm x 35mm)

**Weight:** 3.53oz (100g)

**Construction:** ABS enclosure

**Power:** 1 x AA type battery 1.5 Volt

**Memory:** 100,000 data point entries (samples of Ambient RH and temperature; Surface Temperature)

**Logging Rate:** Logger interval adjustable between 5 minutes and 1 hour

**Transmission Range:** Up to 165ft (50m) line-of-sight

**Bluetooth:** BLE Bluetooth Low Energy 4.2 compliant, Bluetooth 5 advertising

**Included:** Wall Mounting and Tripod Stand

## HUMIDITY AND TEMPERATURE SPECIFICATIONS

### RELATIVE HUMIDITY SENSOR SPECIFICATIONS

**Range:** 0 to 100%RH

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

**Resolution:** 0.1% over the complete range

**Drift:** <0.25%RH per year

### TEMPERATURE SENSOR SPECIFICATIONS:

**Range:** -40°F to 257°F (-40°C to 125°C)

**Accuracy:** ±0.1°F Range 68°F to 140°F  
(±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

## CONTACT TEMPERATURE PROBE (OPTIONAL)

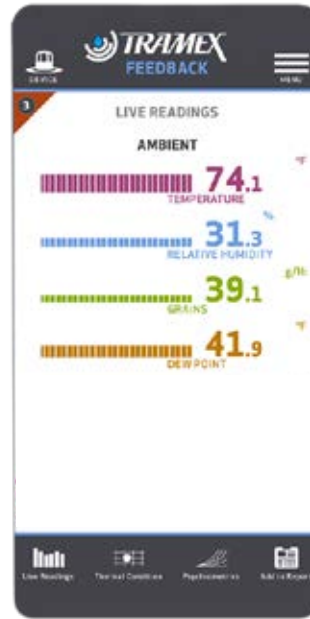
**Units:** °F (°C)

**Temperature Range:** -20°F to +175°F (-30°C to +80°C)

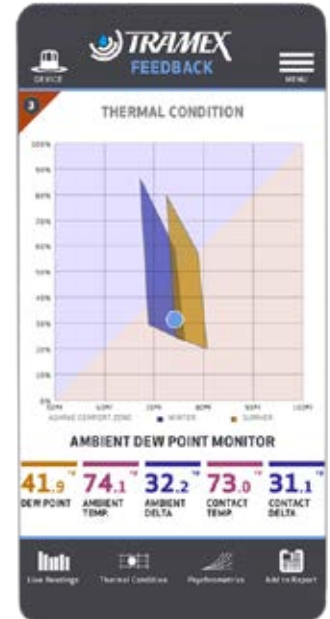
**Accuracy:** ±0.9°F from 14°F to 185°F  
(±0.5°C from -10°C to +85°C)

**Resolution:** 0.1% over the complete range

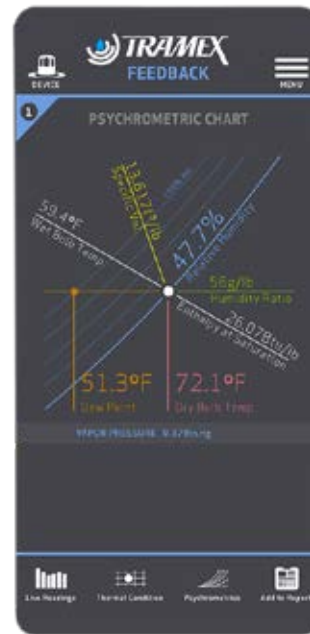
### Live Readings



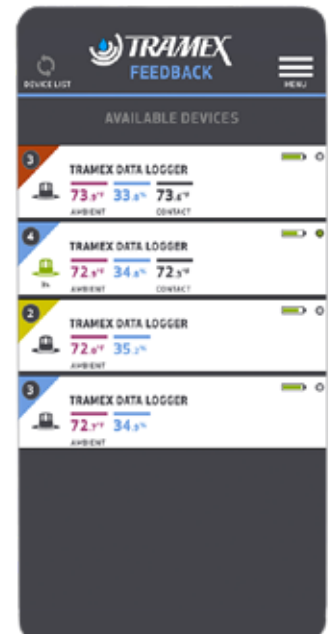
### Thermal Condition



### Psychrometric Chart



### Available Devices



## BATTERY

**Power supply:** 1 x AA type battery 1.5 Volt

**Battery life:** Over 1 year based on logging intervals of 5mins, using an alkaline battery with a nominal voltage of 1.5V as supplied.

## CERTIFICATION

CE: EN 61326-1

FCC: Part 15-J

ROHS Compliant