

# FEEDBACK DATA LOGGER STARTER KIT

TEMPERATURE AND RELATIVE HUMIDITY  
FBSK5.1



## KIT CONTENTS:

- 1 x DL-RHTX Data Logger
- 1 x Hygro-i2 probe
- 1 x Wall mounting
- 1 x Tripod Stand



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

Available on:



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 and performing AS/NZ 2455, 1884 & BS 8201, 8203, 5325 & ASTM F2170. 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 possible.
- Instant set up and start modes.
- AS/NZ 2455, 1884 & BS 8201, 8203, 5325 & ASTM F2170 compliant
- Ambient and In-situ RH and temperature logging
- Intuitive and instructive APP interface.
- Adjustable interactive chart, spreadsheet, report and easy-export functions.
- Connectivity up to 50 meters (165ft) for highly accessible data downloads.



Product order code: FBSK5.1

**AS/NZ 2455, AS 1884 & BS 8201, 8203, 5325 & ASTM F2170 COMPLIANT**



## SUPPORTED MEASUREMENTS

- Ambient Relative Humidity, Temperature, Dew point, Grains per pound.
- In Situ Relative Humidity, Temperature, Dew point, Grains per pound (with optional plug-in RH Probe)
- Contact Temperature, Estimated contact RH, Ambient Dew Point, Contact Delta Temperature (with optional contact Temperature Probe)
- Psychrometric chart showing Relative Humidity, Specific Volume, Wet Bulb Temperature, Dry Bulb Temperature, Enthalpy, Humidity Ratio, Dew Point.

## DATALOGGER SPECIFICATIONS

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

|                            |   |
|----------------------------|---|
| <b>Size:</b>               | 100mm x 90mm x 35mm (3.94" x 3.54" x 1.38")   |
| <b>Weight:</b>             | 100g (3.53oz)   |
| <b>Construction:</b>       | ABS enclosure   |
| <b>Power:</b>              | 1 x AA type battery 1.5 Volt  |
| <b>Memory:</b>             | 100,000 data point entries (samples of Ambient RH and temperature; Surface Temperature) |
| <b>Logging Rate:</b>       | Logger interval adjustable between 5 minutes and 1 hour                                 |
| <b>Transmission Range:</b> | Up to 50m (165ft) line-of-sight   |
| <b>Bluetooth:</b>          | BLE Bluetooth Low Energy 4.2 compliant, Bluetooth 5 advertising                         |
| <b>Included:</b>           | Wall Mounting and Tripod Stand  |

## HUMIDITY AND TEMPERATURE SPECIFICATIONS

### RELATIVE HUMIDITY SENSOR SPECIFICATIONS:

|                    |  |
|--------------------|--|
| <b>Range:</b>      | 0 to 100%RH  |
| <b>Accuracy:</b>   | ±1.5%RH Range 0% to 80%RH<br>±2.0%RH Range 80% to 99%RH (@25°C (77°F)) |
| <b>Resolution:</b> | 0.1% over the complete range   |
| <b>Drift:</b>      | <0.25%RH per year  |

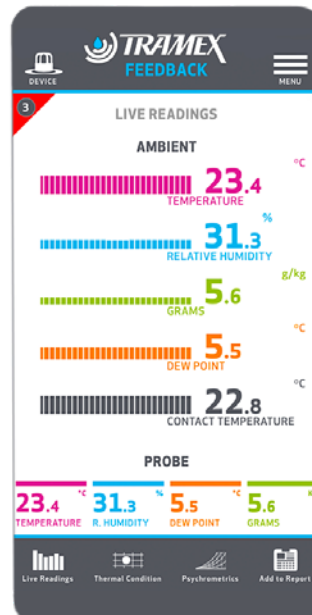
### TEMPERATURE SENSOR SPECIFICATIONS:

|                           |  |
|---------------------------|--|
| <b>Range:</b>             | -40°C to 125°C (-40°F to 257°F)                            |
| <b>Accuracy:</b>          | ±0.1 °C Range 20°C to 60°C<br>(±0.1°F Range 68°F to 140°F) |
| <b>Sensor Protection:</b> | PTFE Film protects sensor opening from water & dust        |
| <b>Drift:</b>             | <0.03°C (0.04°F) per year                                  |

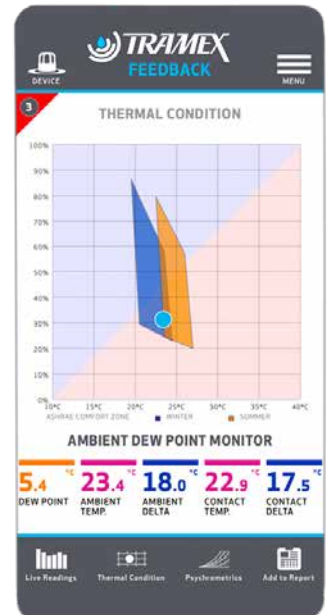
## CONTACT TEMPERATURE PROBE (OPTIONAL)

|                           |   |
|---------------------------|---|
| <b>Units:</b>             | °C (°F)   |
| <b>Temperature Range:</b> | -30°C to +80°C (-20°F to +175°F)                          |
| <b>Accuracy:</b>          | ±0.5°C from -10°C to +85°C<br>(±0.9°F from 14°F to 185°F) |
| <b>Resolution:</b>        | 0.1% over the complete range                              |

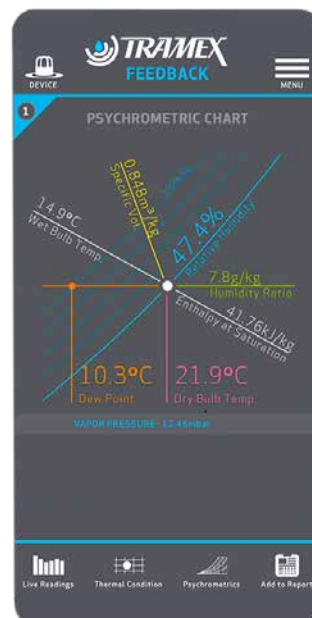
### Live Readings



### 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

