FEEDBACK
DATA LOGGER STARTER KIT
TEMPERATURE AND RELATIVE HUMIDITY
FBSK5.1

TRAMEX
Innovation in moisture detection

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.

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:

ANDROID APP ON
Google play

Available on the iPhone
App Store

Product order code: FBSK5.1

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.

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

www.cornell.com.au

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.

Size:	100mm x 90mm x35mm (3.94" x 3.54" x 1.38")
Weight:	100g (3.53oz)
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 50m (165ft) 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 (@25°C (77°F))
Resolution:	0.1% over the complete range
Drift:	<0.25%RH per year

TEMPERATURE SENSOR SPECIFICATIONS:

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Range:	-40°C to 125°C (-40°F to 257°F)
Accuracy:	±0.1 °C Range 20°C to 60°C
	(±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

CONTACT TEMPERATURE PROBE (OPTIONAL)

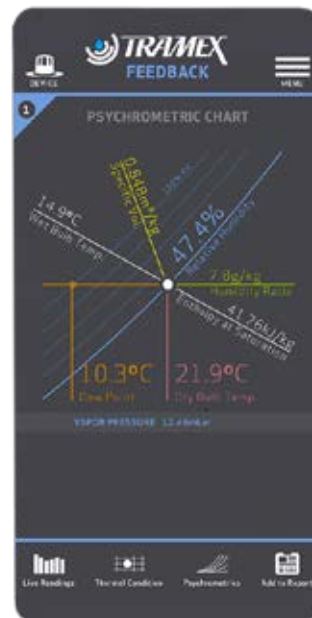|	
Units:	°C (°F)
Temperature Range:	-30°C to +80°C (-20°F to +175°F)
Accuracy:	±0.5°C from -10°C to +85°C
	(±0.9°F from 14°F to 185°F)
Resolution:	0.1% over the complete range

Live Readings
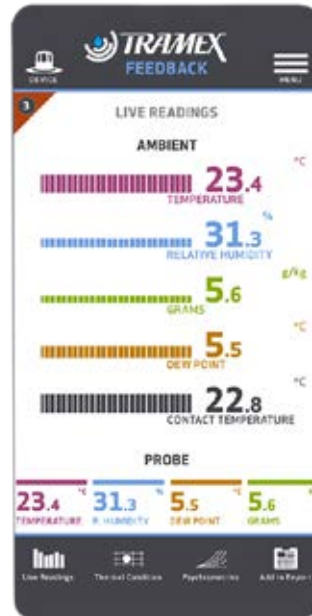
Thermal Condition
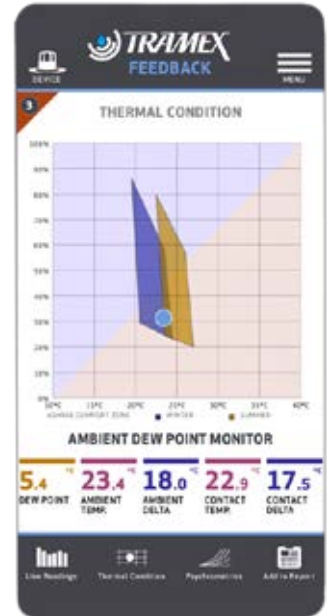
Psychrometric Chart

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